

GenCore version 5.1.6
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ON nucleic - nucleic search, using sw model

Run on: September 16, 2004, 16:23:02 ; Search time 68.2713 Seconds
(without alignments)
5446.173 Million cell updates/sec

Title: US-03-477-082-1
Perfect score: 670
Sequence: 1 aacgcctccaagacacgatt.....gggttaataaaaggcgcttt 670

Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 839752

Minimum DB seq length: 0
Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : Issued Patents NA:
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 3: /cgn2_6/ptodata/2/ina/16A_COMB.seq:
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 5: /cgn2_6/ptodata/2/ina/PC75_COMB.seq:
 6: /cgn2_6/ptodata/2/ina/backfiles1.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	15	2.2	20	4	US-09-844-523-54	Sequence 54, Appli
4	15	2.2	24	2	US-09-122-230-12	Sequence 12, Appli
C 5	15	2.2	24	2	US-09-559-306-15	Sequence 3, Appli
C 6	15	2.2	36	4	US-09-473-380-3	Sequence 3, Appli
C 7	15	2.2	36	4	US-09-463-333A-3	Sequence 3, Appli
C 8	15	2.2	36	4	US-09-985-357A-3	Sequence 3, Appli
C 9	15	2.2	36	4	US-09-113-694B-3	Sequence 3, Appli
C 10	15	2.2	36	4	US-09-607-277A-3	Sequence 3, Appli
C 11	15	2.2	42	2	US-08-194-981E-51	Sequence 51, Appli
C 12	14	2.1	18	4	US-19-422-978-6699	Sequence 6699, Appli
C 13	14	2.1	20	3	US-08-940-250-15	Sequence 145, Appli
C 14	14	2.1	20	4	US-09-517-467B-145	Sequence 1, Appli
C 15	14	2.1	21	4	US-09-422-978-8188	Sequence 8188, Appli
C 16	14	2.1	23	2	US-08-327-832-10	Sequence 10, Appli
C 17	14	2.1	23	2	US-08-828-584-10	Sequence 18, Appli
C 18	14	2.1	29	4	US-0-559-306-18	Sequence 82, Appli
C 19	14	2.1	33	3	US-08-605-430-82	Sequence 1, Appli
C 20	14	2.1	37	2	US-08-224-663-1	Sequence 1, Appli
C 21	14	2.1	37	2	US-08-972-446-1	Sequence 1, Appli
C 22	14	2.1	37	4	US-19-280-270A-1	Sequence 78, Appli
C 23	14	2.1	41	3	US-08-605-430-78	Sequence 9, Appli
C 24	14	2.1	45	2	US-08-270A-9	Sequence 3044, Appli
C 25	14	2.1	45	4	US-09-422-978-3044	Sequence 12, Appli
C 26	14	2.1	47	4	US-08-872-446-12	Sequence 5, Appli
C 27	14	2.1	48	2	US-08-860-038-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1
US-08-860-038-5
; Sequence 5, Application US/08860038
; Patent No. 6287762
; GENERAL INFORMATION:
; APPLICANT: CROUZET, Joel
; APPLICANT: SHERMAN, Daniel
; APPLICANT: WILS, Pierre
; TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION
; TITLE OF INVENTION: WITH AN IMMOBILIZED OLIGONUCLEOTIDE
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Road, Mailstop 3C43
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/860,038
FILING DATE: 08-NOV-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 94/15162
FILING DATE: 16-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO FR95/01468
FILING DATE: 08-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: Vitzky Esq., Martin F.
REGISTRATION NUMBER: 29,699
REFERENCE/DOCKET NUMBER: ST94090-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3816
TELEFAX: (610) 454-3808
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Oligonucleotide"
US-08-860-038-5

Query Match 2.2%; Score 15; DB 3; Length 19;
 Best Local Similarity 100.0%; Pred. No. 4e+02; Indels 0; Gaps 0;
 Matches 15; Conservative 0; Mismatches 0;

Qy 206 GGGGGGAGGAGGG 220
 Db 3 GGGGGGAGGAGGG 17

RESULT 4
 US-09-580-923-5
 ; Sequence 5, Application US/095500923
 ; Patent No. 6319672
 ; GENERAL INFORMATION:
 ; APPLICANT: Crouzet, Joel
 ; APPLICANT: Scherman, Daniel
 ; APPLICANT: Wils, Pierre
 ; APPLICANT: Cameron, Beatrice
 ; APPLICANT: Blanche, Francis
 ; TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION WITH AN IMMobilized OLIGONUCLEOTIDE
 ; FILE REFERENCE: 0304.0138-01.
 ; CURRENT APPLICATION NUMBER: US/09/580,923
 ; CURRENT FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: 08/960,038
 ; PRIOR FILING DATE: 1997-06-09
 ; PRIOR APPLICATION NUMBER: PCT/FR95/01468
 ; PRIOR FILING DATE: 1995-11-08
 ; SEQ ID NO 5
 ; LENGTH: 19
 ; SOFTWARE: PatentIn Ver. 2.1
 ; TYPE: DNA
 ; FEATURE: OTHER INFORMATION: Description of Artificial Sequence:
 ; OTHER INFORMATION: Oligonucleotide
 US-09-580-923-5

Query Match 2.2%; Score 15; DB 4; Length 19;
 Best Local Similarity 100.0%; Pred. No. 4e+02; Indels 0; Gaps 0;
 Matches 15; Conservative 0; Mismatches 0;

Qy 19 TTGCAGAAGGAACAC 33
 Db 2 TTGCAGAAGGAACAC 16

RESULT 5
 US-09-559-306-15/c
 ; Sequence 15, Application US/09559306
 ; Patent No. 6642000
 ; GENERAL INFORMATION:
 ; APPLICANT: STRIZHKOV, BORIS
 ; APPLICANT: TILLIB, SERGEI
 ; APPLICANT: MICHAILOVICH, VLADIMIR
 ; APPLICANT: MIRZABEROV, ANDREI
 ; TITLE OF INVENTION: PCR AMPLIFICATION ON MICROARRAYS OF GEL IMMOBILIZED OLIGONUCLEOTIDES
 ; FILE REFERENCE: 2-1416-90459
 ; CURRENT APPLICATION NUMBER: US/09/559,306
 ; CURRENT FILING DATE: 2000-04-25
 ; PRIOR APPLICATION NUMBER: 60/165,029
 ; PRIOR FILING DATE: 1999-11-12
 ; NUMBER OF SEQ ID NOS: 58
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 15
 ; LENGTH: 29
 ; TYPE: DNA
 ; FEATURE: OTHER INFORMATION: Description of Artificial Sequence:
 ; OTHER INFORMATION: Primer
 US-09-559-306-15

Query Match 2.2%; Score 15; DB 4; Length 29;
 Best Local Similarity 100.0%; Pred. No. 4.1e+02; Indels 0; Gaps 0;

Qy 401 GTCCATGAAATTGTCT 415
 Db 29 GTCCATGAAATTGTCT 15

RESULT 3
 US-09-844-521-54
 ; Sequence 54, Application US/09844521
 ; Patent No. 6492172
 ; GENERAL INFORMATION:
 ; APPLICANT: C. Frank Bennett
 ; APPLICANT: Harris Busch
 ; APPLICANT: Jacqueline Wyatt
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF GU PROTEIN EXPRESSION
 ; FILE REFERENCE: RTS 0163
 ; CURRENT APPLICATION NUMBER: US/09/844,521
 ; CURRENT FILING DATE: 2001-04-27
 ; NUMBER OF SEQ ID NOS: 87
 ; SEQ ID NO 54
 ; LENGTH: 20
 ; SOFTWARE: PatentIn Ver. 2.1
 ; TYPE: DNA
 ; FEATURE: OTHER INFORMATION: Antisense Oligonucleotide
 US-09-844-521-54

Query Match 2.2%; Score 15; DB 4; Length 20;
 Best Local Similarity 100.0%; Pred. No. 4e+02; Indels 0; Gaps 0;

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RESULT 6
US-09-463-380-3/c
; Sequence 3, Application US/09463380
; Patent No. 6391633
; GENERAL INFORMATION:
; TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene activation
; FILE REFERENCE: HUBR 1151 PFF MAS
; CURRENT APPLICATION NUMBER: US/09/463,380
; CURRENT FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: PCT/EP98/04590
; PRIOR FILING DATE: 1998-07-22
; PRIOR APPLICATION NUMBER: US 09/113,692
; PRIOR FILING DATE: 1998-07-10
; PRIOR APPLICATION NUMBER: DE 19753681.1
; PRIOR FILING DATE: 1997-12-03
; PRIOR APPLICATION NUMBER: EP 97112640
; PRIOR FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Wordperfect 6/7/8
; SEQ ID NO: 3
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: Nucleotide sequence of the primer used for preparing PCR Product
; OTHER INFORMATION: US-09-463-380-3

Query Match          2.2%; Score 15; DB 4; Length 36;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy    206 GGGGGGAGGAGGG 220
      ||||| ||||| ||||| |
Db    25 GGGGGGAGGAGGG 11
      ||||| ||||| ||||| |


RESULT 7
US-09-463-339A-3/c
; Sequence 3, Application US/09463339A
; Patent No. 6395484
; GENERAL INFORMATION:
; APPLICANT: Boehringer Mannheim GmbH
; TITLE OF INVENTION: Identification of Human Cell Lines for the
; Production of Human Proteins by Endogenous Gene Activation
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fulbright & Jaworski L.L.P.
; STREET: 665 Fifth Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.25 inch, 1.44mb
; COMPUTER: IBM
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/463,339A
; FILING DATE: 30-May-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP98/04584
; FILING DATE: 22-Jul-1998
; APPLICATION NUMBER: 97112640.4
; FILING DATE: 23-Jul-1997
; APPLICATION NUMBER: 97121073.7
; FILING DATE: 01-Dec-1997
; APPLICATION NUMBER: 09/113,692
; FILING DATE: 10-Jul-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Mary Anne Schiole
; REGISTRATION NUMBER: 36,619

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TITLE OF INVENTION: Methods For Identifying Human Cell Lines Useful for Endogenous Gene Activation, Isolated Human Cell Lines Identified Thereby, And Uses Thereof
 TITLE OF INVENTION: Huber 1126
 FILE REFERENCE:
 CURRENT APPLICATION NUMBER: US/09/113,692B
 CURRENT FILING DATE: 1998-07-10
 PRIORITY NUMBER: EP/97 112 640
 PRIOR FILING DATE: 11/97-07-23
 PRIOR APPLICATION NUMBER: EP/97 121 073
 PRIOR FILING DATE: 1997-12-01
 PRIOR APPLICATION NUMBER: EP/97 53 681
 PRIOR FILING DATE: 1997-12-03
 NUMBER OF SEQ ID NOS: 10
 SEQ ID NO 3
 LENGTH: 36
 TYPE: DNA
 ORGANISM: Homo Sapiens
 US-09-113-692B-3

Query Match 2.2%; Score 15; DB 4; Length 36;
 Best Local Similarity 100.0%; Pred. No. 4.1e+02;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	206	GGAGGGAGGAGGG	220
Db	25	GGAGGGAGGAGGG	11

RESULT 10
 US-09-607-277A-3/c
 Sequence 3, Application US/09607277A
 Patent No. 6553373
 GENERAL INFORMATION:
 APPLICANT: Stern, Anne
 APPLICANT: Brandt, Michael
 APPLICANT: Honold, Konrad
 APPLICANT: Auer, Johannes
 APPLICANT: Koll, Hans
 APPLICANT: Franz, Reinhard
 APPLICANT: Pessara, Ulrich
 TITLE OF INVENTION: Methods For Identifying Human Cell Lines Useful for Endogenous Gene Activation, Isolated Human Cell Lines Identified Thereby, And Uses Thereof
 FILE REFERENCE:
 CURRENT APPLICATION NUMBER: US/09/607,277A
 CURRENT FILING DATE: 2000-06-30
 PRIORITY NUMBER: US 09/113,692
 PRIOR FILING DATE: 1998-07-10
 PRIORITY NUMBER: EP/97 112 640
 PRIOR FILING DATE: 1997-07-23
 PRIOR APPLICATION NUMBER: EP/97 121 073
 PRIOR FILING DATE: 1997-12-01
 PRIOR APPLICATION NUMBER: EP/97 53 681
 PRIOR FILING DATE: 1997-12-03
 NUMBER OF SEQ ID NOS: 10
 SEQ ID NO 3
 LENGTH: 36
 TYPE: DNA
 ORGANISM: Homo Sapiens
 US-09-607-277A-3

Query Match 2.2%; Score 15; DB 4; Length 36;
 Best Local Similarity 100.0%; Pred. No. 4.1e+02;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	206	GGAGGGAGGAGGG	220
Db	25	GGAGGGAGGAGGG	11

RESULT 11
 US-08-194-981E-51
 Sequence 51, Application US/08194981E

Patent No. 5886157
 GENERAL INFORMATION:
 APPLICANT: GUNGERICH, F. Peter
 APPLICANT: GUO, Zuyu
 APPLICANT: SANDRU, Punam
 APPLICANT: GILLAM, Elizabeth M. J.
 TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF HUMAN CYTOCHROME P450
 NUMBER OF SEQUENCES: 68
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: NEEDLE & ROSENBERG, P.C.
 STREET: Suite 1200, 127 Peachtree Street, NE
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30303-1811
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/194,981E
 FILING DATE: February 10, 1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Elizabeth Selby
 REGISTRATION NUMBER: 38-298
 REFERENCE/DOCKET NUMBER: 22000.0022
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (404) 588-0770
 TELEFAX: (404) 588-9880
 INFORMATION FOR SEQ ID NO: 51:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 42 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-194-981E-51

Query Match 2.2%; Score 15; DB 2; Length 42;
 Best Local Similarity 100.0%; Pred. No. 4.1e+02;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	504	CTGCCTTACGACTAA	518
Db	17	CTGCCTTACGACTAA	31

RESULT 12
 US-09-422-978-6699
 Sequence 6699, Application US/09422978
 Patent No. 6537751
 GENERAL INFORMATION:
 APPLICANT: Chumakov, Ilya
 APPLICANT: Blumenfeld, Marta
 TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
 FILE REFERENCE: GENSET.O2CP1
 CURRENT APPLICATION NUMBER: US/09/422,978
 CURRENT FILING DATE: 1993-10-20
 EARLIER APPLICATION NUMBER: US/09/298,850
 EARLIER FILING DATE: 1993-04-11
 EARLIER APPLICATION NUMBER: US 60/109,732
 EARLIER FILING DATE: 1998-11-23
 EARLIER APPLICATION NUMBER: US 60/082,614
 EARLIER FILING DATE: 1998-04-21
 NUMBER OF SEQ ID NOS: 11796
 SEQ ID NO 6699

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; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE: primer_bind
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-17254 for SEQ 2755,
US-09-422-978-6699

Query Match          2.1%; Score 14; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 14; Conservative 0; SEQ ID NOS: 345
Qy   614 TCCTCCCTTATCT 627
Db   2 TCCTCCCTTATCT 15

RESULT 13
US-08-940-250-15
; Sequence 15, Application US/08940250
; Patent No. 6001991
; GENERAL INFORMATION:
; APPLICANT: Nicholas Dean, Muthiah Manoharan
; TITLE OF INVENTION: Antisense Oligonucleotide Modulation
; TITLE OF INVENTION: Of MDR P-Glycoprotein Gene Expression
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION NUMBER: US/08/940,250
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/731,199
; FILING DATE: 10/4/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0217
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 810-1454
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; US-08-940-250-15

Query Match          2.1%; Score 14; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+03; Mismatches 0; Indels 0; Gaps 0;
Matches 14; Conservative 0; SEQ ID NOS: 345
Qy   452 CTCTGTTCTTAA 465
Db   1 CTCTGTTCTTAA 14

RESULT 14
US-09-517-467B-145

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 20:34:17 ; Search time 404.448 Seconds
 (without alignments)
 8361.186 Million cell updates/sec

Title: US-09-477-082-1

Perfect score: 670

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 19: /cgn2_6/podata/2/pubnra/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
- 1	15	2.2	18	13	US-10-098-263B-39416	Sequence 39416, A
2	15	2.2	19	15	US-10-098-263B-03671	Sequence 103671,
3	15	2.2	22	10	US-10-098-263B-127788	Sequence 127788,
4	15	2.2	22	15	US-10-098-263B-130512	Sequence 130512,
C 5	15	2.2	25	9	US-09-998-976-6	Sequence 6, Appli
C 6	15	2.2	25	15	US-10-275-071-5	Sequence 43, Appli
C 7	15	2.2	36	14	US-10-112-555-3	Sequence 532, App
C 8	15	2.2	36	15	US-10-353-167-3	Sequence 1, Appli
C 9	15	2.2	17	17	US-09-801-274-532	Sequence 1, Appli
C 10	14	2.1	17	18	US-10-349-143-6659	Sequence 6659, Ap
C 11	14	2.1	20	17	US-10-080-979-41	Sequence 41, Appli
C 12	14	2.1	20	17	US-10-780-143-8188	Sequence 8188, Ap
C 13	14	2.1	21	16	US-10-349-143-8188	Sequence 2, Appli
C 14	14	2.1	21	16	US-10-275-071-5	Sequence 170556,

ALIGNMENTS

RESULT 1

US-10-333-429-444

; Sequence 444, Application US/103333429
 ; Title of Invention: Obesity Associated Biallelic Marker Maps
 ; File Reference: G-083US0PCT
 ; Publication No. US20040048265A1
 ; General Information:
 ; Applicant: GENSET
 ; Title of Invention: Obesity Associated Biallelic Marker Maps
 ; File Reference: G-083US0PCT
 ; Current Application Number: US/10/333,429
 ; Current Filing Date: 2003-01-17
 ; Prior Application Number: PCT/IB01/01477
 ; Prior Filing Date: 2001-06-28
 ; Prior Application Number: US 60/219,704
 ; Number of SEQ ID NOS: 579
 ; Software: Patent.pmm
 ; SEQ ID NO 444
 ; Type: DNA
 ; Organism: Homo Sapiens
 ; Feature: Primer_bind
 ; Name/Key: Primer_bind
 ; Location: 1..18
 ; Other Information: downstream amplification primer 99-41727 for SEQ 102, in complete

US-10-333-429-444

Query Match 2.2%; Score 15; DB 13; Length 18;
 Best Local Similarity 100.0%; Pred. No. 2.4e+3;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 608 AGGTCTCCCTCTT 622
 Db 1 AGGTCTCCCTCTT 15

RESULT 2

US-10-275-071-5

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Sequence 5, Application US/10275071
| Publication No. US20030186268A1
| GENERAL INFORMATION:
| | APPLICANT: Crouzet, Joel
| | APPLICANT: Wils, Pierre
| | APPLICANT: Cameron, Beatrice
| | APPLICANT: Blanche, Francis
| | TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION WITH AN
| | TITLE OF INVENTION: INMOBILIZED OLIGONUCLEOTIDE
| | CURRENT APPLICATION NUMBER: US/10/275,071
| | CURRENT FILING DATE: 2003-04-07
| | PRIOR APPLICATION NUMBER: 09/580,923
| | PRIOR FILING DATE: 2000-05-26
| | PRIOR APPLICATION NUMBER: 08/860,038
| | PRIOR FILING DATE: 1997-06-09
| | PRIOR APPLICATION NUMBER: PCT/FR95/01468
| | PRIOR FILING DATE: 1995-11-05
| | NUMBER OF SEQ ID NOS: 36
| | SOFTWARE: PatentIn Ver. 2.1
| | SEQ ID NO: 5
| | LENGTH: 19
| | TYPE: DNA
| | ORGANISM: Artificial Sequence
| | FEATURE:
| | OTHER INFORMATION: Description of Artificial Sequence:
| | OTHER INFORMATION: Oligonucleotide
US-10-275-071-5
Query Match 2.2%; Score 15; DB 15; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.4e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 206 GGGAGGGAGGAGGG 220
Db 3 GGAGGGGGAGGAGGG 17
RESULT 5
US-09-965-602-29
Query Match 2.2%; Score 15; DB 15; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.4e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 253 CAGGGCAAGGGAA 267
Db 3 CAAGGCAAAAGGGAA 17
RESULT 6
US-09-965-602-29
Query Match 2.2%; Score 15; DB 9; Length 25;
Best Local Similarity 100.0%; Pred. No. 2.4e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 353 AAATGCTTCCATA 367
Db 2 AAATGCTTCCATA 16
RESULT 6
US-10-098-263B-1062/C
Query Match 2.2%; Score 15; DB 10; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.4e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 253 CAAGGCAAAAGGGAA 267
Db 3 CAAGGCAAAAGGGAA 17

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FILE REFERENCE: 3118_1
 CURRENT APPLICATION NUMBER: US/10/098, 263B
 CURRENT FILING DATE: 2003-01-08
 PRIOR APPLICATION NUMBER: 60/276,759
 PRIOR FILING DATE: 2001-03-16
 NUMBER OF SEQ ID NOS: 131066
 SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 SEQ ID NO 1062
 LENGTH: 25
 TYPE: DNA
 ORGANISM: Homo sapien
 US-10-98-263B-1062

Query Match 2.2%; Score 15; DB 15; Length 25;
 Best Local Similarity 100.0%; Pred. No. 2.4e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 226 TCTGTGACTTCAGTG 240
 Db 21 TCTGTGACTTCAGTG 7

RESULT 7
 US-09-985-157A-3/C
 ; Sequence 3, Application US/09985357A
 ; GENERAL INFORMATION:
 ; APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUBR; Hans KOLL
 ; TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene activation
 ; FILE REFERENCE: HUBR 1151.1 CON PFF/MAS
 ; CURRENT APPLICATION NUMBER: US/09/985, 357A
 ; CURRENT FILING DATE: 2001-11-02
 ; PRIOR APPLICATION NUMBER: US 09/463, 380
 ; PRIOR FILING DATE: 2000-01-21
 ; PRIOR APPLICATION NUMBER: PCT/EP98/04590
 ; PRIOR FILING DATE: 1998-07-22
 ; PRIOR APPLICATION NUMBER: US 09/113, 692
 ; PRIOR FILING DATE: 1998-07-10
 ; PRIOR APPLICATION NUMBER: DE 19753681.1
 ; PRIOR FILING DATE: 1997-12-03
 ; PRIOR APPLICATION NUMBER: EP 97112640
 ; PRIOR FILING DATE: 1997-07-23
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: Wordperfect
 ; SEQ ID NO 3
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE: OTHER INFORMATION: Nucleotide sequence of the primer used for preparing PCR Product
 US-09-985-157A-3

Query Match 2.2%; Score 15; DB 9; Length 36;
 Best Local Similarity 100.0%; Pred. No. 2.5e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 206 GGGGGGGGGAGGG 220
 Db 25 GGAGGGGGAGGG 11

RESULT 8
 US-10-112-755-3/C
 ; Sequence 3, Application US/10112755
 ; Publication No. US/02016479/A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Boehringer Mannheim GmbH
 ; TITLE OF INVENTION: Identification of Human Cell Lines for the
 ; Production of Human Proteins by Endogenous Gene Activation
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fulbright & Jaworski L.L.P.

STREET: 666 Fifth Avenue
 CITY: New York City
 STATE: New York
 COUNTRY: USA
 ZIP: 10103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.25 inch, 1.44mb
 COMPUTER: IBM
 OPERATING SYSTEM: PC-DOS
 SOFTWARE: Wordperfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/112, 755
 FILING DATE: 02-Apr-2002
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/463, 339A
 FILING DATE: 30-May-2000
 APPLICATION NUMBER: PCT/EP98/04584
 FILING DATE: 22-Jul-1998
 APPLICATION NUMBER: 97112640.4
 FILING DATE: 23-Jul-1997
 APPLICATION NUMBER: 97121073.7
 FILING DATE: 01-Dec-1997
 APPLICATION NUMBER: 09/113, 692
 FILING DATE: 10-Jul-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Mary Anne Schofield
 REGISTRATION NUMBER: 36,669
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 662-0200
 TELEFAX: (202) 665-4643
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 36 base pairs
 TYPE: Nucleotide
 STRANDEDNESS: single strand
 TOPOLOGY: linear
 SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 US-10-112-755-3:

Query Match 2.2%; Score 15; DB 14; Length 36;
 Best Local Similarity 100.0%; Pred. No. 2.5e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 206 GGGGGGGGGAGGG 220
 Db 25 GGAGGGGGAGGG 11

RESULT 9
 US-10-1533-767-3/C
 ; Sequence 3, Application US/10353767
 ; Publication No. US20030166275A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUBR; Hans KOLL
 ; TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene
 ; FILE REFERENCE: HUBR 1151.1 CON PFF/MAS
 ; CURRENT APPLICATION NUMBER: US/10/353, 767
 ; PRIOR APPLICATION NUMBER: 2003-01-29
 ; PRIOR FILING DATE: 2003-01-29
 ; PRIOR APPLICATION NUMBER: US/09/985, 357A
 ; PRIOR FILING DATE: 2001-11-12
 ; PRIOR APPLICATION NUMBER: US 09/463, 380
 ; PRIOR FILING DATE: 2000-01-21
 ; PRIOR APPLICATION NUMBER: PCT/EP98/04590
 ; PRIOR FILING DATE: 1998-07-22
 ; PRIOR APPLICATION NUMBER: US 09/113, 692
 ; PRIOR FILING DATE: 1998-07-10
 ; PRIOR APPLICATION NUMBER: DE 19753681.1
 ; PRIOR FILING DATE: 1997-12-03
 ; PRIOR APPLICATION NUMBER: EP 97112640
 ; PRIOR FILING DATE: 1997-07-23

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; NUMBER OF SEQ ID NOS: 17
; SEQ ID NO 3
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: Nucleotide sequence of the primer used for preparing
US-10-353-767-3
Query Match 2.2%; Score 15; DB 15; Length 36;
Best Local Similarity 100.0%; Pred. No. 2.5e+3;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 206 GGGAGGGAGGAGGG 220
Db 25 GGGAGGGAGGAGGG 11

RESULT 12
US-10-349-143-6699
; Sequence 41, Application US/10080979
; Publication No. US20030101075A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: United States Department of Agriculture
; APPLICANT: Bowen, Benjamin A
; APPLICANT: Haubenschild, Christian D
; APPLICANT: Buckler, Edward S
; TITLE OF INVENTION: Identification of Genes Associated with Growth in Plants
; FILE REFERENCE: 37-000510US
; CURRENT APPLICATION NUMBER: US/10/338,777
; CURRENT FILING DATE: 2003-01-07
; NUMBER OF SEQ ID NOS: 405
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 231
; LENGTH: 17
; ORGANISM: Arabidopsis thaliana
US-10-338-777-231
Query Match 2.1%; Score 14; DB 15; Length 17;
Best Local Similarity 100.0%; Pred. No. 8.5e+3;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 528 TGCAGTTCCCTCTG 541
Db 17 TGCAATTCCTCTG 4

RESULT 13
US-10-080-979-41
; Sequence 41, Application US/10080979
; Publication No. US20030101075A1
; GENERAL INFORMATION:
; APPLICANT: Cook, Philip C.
; APPLICANT: Manoharan, Muthiah
; TITLE OF INVENTION: Oligonucleotides Conjugates For Hepatic Delivery
; FILE REFERENCE: Isis-5028
; CURRENT APPLICATION NUMBER: US/10/080,979
; CURRENT FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 41
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-10-080-979-41
Query Match 2.1%; Score 14; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 8.5e+3;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 452 CTCTGTTCCTTAA 465
Db 1 CTCTGTTCCTTAA 14

RESULT 14
US-10-780-439-41
; Sequence 41, Application US/10780439
; Publication No. US20040142899A1
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D.
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Bennett, C. Frank
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; ENHANCED BIOSTABILITY AND ALTERED BIODISTRIBUTION OF
; OLIGONUCLEOTIDES IN MAMMALS
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESSES:
; ADDRESS: Cozen O'Connor
; STREET: 1900 Market Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; SEQ ID NO: 6699

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CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/10/780,439
  FILING DATE: 17-Feb-2004
  CLASSIFICATION: <Unknown>
  ATTORNEY/AGENT INFORMATION:
    NAME: Nguyen, Quan L.
    REGISTRATION NUMBER: 46,957
    REFERENCE/DOCKET NUMBER: ISIC0006-102
    TELECOMMUNICATION INFORMATION:
      TELEPHONE: 215-665-2000
      TELEFAX: 215-665-0113
    INFORMATION FOR SEQ ID NO: 41:
      SEQUENCE CHARACTERISTICS:
        LENGTH: 20
        STRANDEDNESS: Single
        TOPOLOGY: Linear
      ANTI-SENSE: yes
    SEQUENCE DESCRIPTION: SEQ ID NO: 41:
    US-10-780-439-41

Query Match 2.1%; Score 14; DB 17; Length 20;
Best Local Similarity 100.0%; Pred. No. 8.5e+03;
Matches 14; Conservative 0; Mismatches 0;
Indels 0; Gaps 0;

Qy 452 CTCTGTCCTTAA 465
Db 1 CTCTGTCCTTAA 14

RESULT 14
US-10-349-143-8188
Sequence 8188, Application US/10349143
Publication No. US20040005584A1
GENERAL INFORMATION
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Maria
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US/10/349,143
CURRENT FILING DATE: 2003-01-21
PRIOR APPLICATION NUMBER: US/09/422,978
PRIOR FILING DATE: 1999-10-00
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 8188
LENGTH: 21
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: primer_bind
LOCATION: 1..21
OTHER INFORMATION: downstream amplification primer 99-14250 for SEQ 323, in compleme
US-10-349-143-8188

Query Match 2.1%; Score 14; DB 16; Length 21;
Best Local Similarity 100.0%; Pred. No. 8.6e+03;
Matches 14; Conservative 0; Mismatches 0;
Indels 0; Gaps 0;

Qy 129 AACAGAACACTC 142
Db 2 AACAGAACACTC 15

RESULT 15
US-10-098-263B-39416
Sequence 39416, Application US/10098263B
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model
 Run on: September 16, 2004, 16:23:02 ; Search time 76.7287 Seconds
 (without alignments)
 5446.173 Million cell updates/sec

Title: US-09-477-082-2

Perfect score: 753

Sequence: 1 aattagaccgcattgaaa.....tacaatggtttttaacctt 753

Scoring table: OLIIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 839752

Minimum DB seq length: 0
 Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/ptodata/2/ina/5A COMB .seq:*
- 2: /cgn2_6/ptodata/2/ina/5B COMB .seq:*
- 3: /cgn2_6/ptodata/2/ina/6A COMB .seq:*
- 4: /cgn2_6/ptodata/2/ina/6B COMB .seq:*
- 5: /cgn2_6/ptodata/2/ina/PCTUS COMB .seq:*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Description
		Length	ID
1	16	2.1	US-08-623-001A-53
2	16	2.1	Sequence 53, App
3	15	2.0	Sequence 132, App
4	15	2.0	Sequence 9, App
5	15	2.0	Sequence 9, App
6	15	2.0	Sequence 9, App
7	15	2.0	Sequence 9, App
8	15	2.0	Sequence 9, App
9	15	2.0	Sequence 9, App
10	15	2.0	Sequence 9, App
11	15	2.0	Sequence 9, App
12	15	2.0	Sequence 20, App
13	14	1.9	Sequence 28, App
14	14	1.9	Sequence 31, App
15	14	1.9	Sequence 9, App
16	14	1.9	Sequence 9, App
17	14	1.9	Sequence 9, App
18	14	1.9	Sequence 2187, AP
19	14	1.9	Sequence 2188, AP
20	14	1.9	Sequence 730, AP
21	14	1.9	Sequence 731, AP
22	14	1.9	Sequence 732, AP
23	14	1.9	Sequence 733, AP
24	14	1.9	Sequence 16, App
25	14	1.9	Sequence 33, App
26	14	1.9	Sequence 4, App
27	14	1.9	Sequence 5, App

RESULT 2

us-09-477-082-2.oliszlm50.rni

ALIGNMENTS									
RESULT 1									
US-08-629-001A-53	Sequence 53, Application US/08629001A	Patent No. 5858661	GENERAL INFORMATION:	APPLICANT: Shiloh, Yosef	TITLE OF INVENTION: ATAXIA-TELANGIECTASIA GENE AND ITS GENOMIC ORGANIZATION	NUMBER OF SEQUENCES: 139	CORRESPONDENCE ADDRESS:	ADDRESSEE: Kohn & Associates	STREET: 30500 No. 5858661thwestern Hwy.
									STATE: Farmington Hills
									CITY: Michigan
									COUNTRY: US
									ZIP: 48334
									COMPUTER READABLE FORM:
									MEDIUM TYPE: Floppy disk
									COMPUTER: IBM PC compatible
									OPERATING SYSTEM: PC DOS/MS-DOS
									SOFTWARE: Patent Release #1.0, Version #1.30
									CURRENT APPLICATION DATA:
									APPLICATION NUMBER: US/08/629, 001A
									FILING DATE:
									CLASSIFICATION: 435
									ATTORNEY/AGENT INFORMATION:
									NAME: Kohn, Kenneth I.
									REGISTRATION NUMBER: 30, 955
									REFERENCE/DOCKET NUMBER: 2290.0-0032
									TELECOMMUNICATION INFORMATION:
									TELEPHONE: (810) 539-5050
									TELEFAX: (810) 539-5055
									INFORMATION FOR SEQ ID NO: 53:
									SEQUENCE CHARACTERISTICS:
									LENGTH: 31 base Pairs
									TYPE: nucleic acid
									STRANDEDNESS: single
									TOPOLOGY: linear
									US-08-629-001A-53
									Query Match Similarity 100.0%; Pred. No. 3.6e+02; Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy	711 TGAACTTTTTTTTT	726							
Db	5 TGAACTTTTTTTTT	20							

US-08-642-274D-132
i Sequence 132, Application US/08642274D
i Patent No. 6203749
i GENERAL INFORMATION:
i APPLICANT: Shiloh, Yosef
i TITLE OF INVENTION: MUTATED FORMS OF THE ATAXIA-TELANGIECTASIA GENE AND METHOD TO
i TITLE OF INVENTION: SCREEN FOR A PARTIAL A-T PHENOTYPE
i FILE REFERENCE: 22400003
i CURRENT APPLICATION NUMBER: US/08/642,274D
i CURRENT FILING DATE: 1996-05-03
i NUMBER OF SEQ ID NOS: 220
i SEQ ID NO: 132
i LENGTH: 31
i TYPE: DNA
i ORGANISM: Artificial Sequence
i FEATURE: Artificial Sequence:intronic
i OTHER INFORMATION: Description of Artificial Sequence:intronic
i OTHER INFORMATION: sequence
i US-08-642-274D-132

Query Match 2.0%; Score 15; DB 2; Length 29;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 15; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

RESULT 4
 US-08-754-681-9
i Sequence 9, Application US/08754681
i Patent No. 6143495
i GENERAL INFORMATION:
i APPLICANT: Lizardi, Paul M. and Caplan, Michael
i TITLE OF INVENTION: Unimolecular Segment Amplification
i TITLE OF INVENTION: And Sequencing
i NUMBER OF SEQUENCES: 28
i CORRESPONDENCE ADDRESS:
i ADDRESSEE: Patrea L. Pabst
i STREET: 2800 One Atlantic Center
i STREET: 1201 West Peachtree Street
i CITY: Atlanta
i STATE: Georgia
i COUNTRY: USA
i ZIP: 30306-3450
i COMPUTER READABLE FORM:
i MEDIUM TYPE: Floppy disk
i COMPUTER: IBM PC compatible
i OPERATING SYSTEM: PC-DOS/MS-DOS
i SOFTWARE: PatentIn Release #1.0, Version #1.25
i CURRENT APPLICATION DATA:
i APPLICATION NUMBER: US/08/754,681
i FILING DATE:
i CLASSIFICATION: 435
i PRIOR APPLICATION DATA:
i APPLICATION NUMBER: 08/563,912
i APPLICATION NUMBER: 08/563,912
i FILING DATE: No. 61-3495ember 21, 1995
i CLASSIFICATION: 435
i PRIOR APPLICATION DATA:
i APPLICATION NUMBER: 08/016,677
i FILING DATE: May 1, 1996
i CLASSIFICATION: 435
i ATTORNEY/AGENT INFORMATION:
i NAME: Pabst, Patrea L.
i REGISTRATION NUMBER: 31-284
i REFERENCE/DOCKET NUMBER: YU115CIP2
i TELECOMMUNICATION INFORMATION:
i TELEPHONE: (404) 873-8794
i TELEFAX: (404) 873-8795
i INFORMATION FOR SEQ ID NO: 9:
i SEQUENCE CHARACTERISTICS:
i LENGTH: 29 base pairs
i TYPE: nucleic acid
i STRANDEDNESS: single
i TOPOLOGY: linear
i MOLECULE TYPE: DNA
i HYPOTHETICAL: NO
i ANTI-SENSE: NO
i US-08-754-681-9

Query Match 2.0%; Score 15; DB 3; Length 29;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 15; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

RESULT 5
 US-09-112-552-9
i Sequence 9, Application US/091125529

Patent No. 6183960
 GENERAL INFORMATION:
 APPLICANT: Lizardi, Paul M.
 TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Parrea L. Pabst
 STREET: 2800 One Atlantic Center
 STREET: 1201 West Peachtree Street
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30306-3450
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DO\$ /MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/132,552
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Pabst, Parrea L.
 REGISTRATION NUMBER: 31,284
 REFERENCE/DOCKET NUMBER: YU115
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (404) 873-8794
 TELEFAX: (404) 873-8795
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 29 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-09-132-552-9

RESULT 6
 US-09-132-553-9
 Sequence 9, Application US/09132553
 GENERAL INFORMATION:
 APPLICANT: Lizardi, Paul M.
 TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Parrea L. Pabst
 STREET: 2800 One Atlantic Center
 STREET: 1201 West Peachtree Street
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30306-3450
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DO\$ /MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25

Query Match 2.0%; Score 15; DB 3; Length 29;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTTTTTGATC 730
 Db 6 TTTTTTTTGATC 20

RESULT 6
 US-09-132-553-9
 Sequence 9, Application US/09132553
 GENERAL INFORMATION:
 APPLICANT: Lizardi, Paul M.
 TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Parrea L. Pabst
 STREET: 2800 One Atlantic Center
 STREET: 1201 West Peachtree Street
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30306-3450
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DO\$ /MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25

Query Match 2.0%; Score 15; DB 4; Length 29;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTTTTTGATC 730
 Db 6 TTTTTTTTGATC 20

RESULT 8
 US-09-602-428-9

Sequence 9, Application US/09602428
 Patent No. 6329150
 GENERAL INFORMATION:
 APPLICANT: Lizardi, Paul M. and Caplan, Michael
 TITLE OF INVENTION: Unimolecular Segment Amplification
 And Sequencing

NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Patrea L. Pabst
 STREET: 2800 One Atlantic Center
 1201 West Peachtree Street
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30306-3450
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/644,723
 FILING DATE: 23-Aug-2000
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/563,912
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Pabst, Patrea L.
 REGISTRATION NUMBER: 31,284
 REFERENCE/DOCKET NUMBER: YU115
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (404) 873-8794
 TELEFAX: (404) 873-8795
 INFORMATION FOR SEQ ID NO: 9
 SEQUENCE CHARACTERISTICS:
 LENGTH: 29 base pairs
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI SENSE: NO
 SEQUENCE DESCRIPTION: SEQ ID NO: 9
 US-09-644-723-9

RESULT 10
 US-09-602-428-9
 Query Match 2.0%; Score 15; DB 4; Length 29;
 Best Local Similarity 100.0%; Prod. No. 1.1e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30306-3450
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/602,424
 FILING DATE: 23-Jun-2000
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/754,681
 FILING DATE: <Unknown>
 APPLICATION NUMBER: 60/016,677
 FILING DATE: May 1, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Pabst, Patrea L.
 REGISTRATION NUMBER: 31,284
 REFERENCE/DOCKET NUMBER: YU115CIP2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (404) 873-8794
 TELEFAX: (404) 873-8795
 INFORMATION FOR SEQ ID NO: 9;
 SEQUENCE CHARACTERISTICS:
 LENGTH: 29 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI SENSE: NO
 SEQUENCE DESCRIPTION: SEQ ID NO: 9;
 US-09-602-428-9

Query Match 2.0%; Score 15; DB 4; Length 29;
 Best Local Similarity 100.0%; Prod. No. 1.1e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30306-3450
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/602,424
 FILING DATE: 23-Jun-2000
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/016,677
 FILING DATE: May 1, 1996
 ATTORNEY/AGENT INFORMATION:
 ADDRESS: Patrea L. Pabst
 STREET: 2800 One Atlantic Center
 1201 West Peachtree Street
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30306-3450

RESULT 9
 US-09-644-723-9
 Sequence 9, Application US/09644723
 Patent No. 6344329
 GENERAL INFORMATION:
 APPLICANT: Lizardi, Paul M.
 TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESS: Patrea L. Pabst
 STREET: 2800 One Atlantic Center
 1201 West Peachtree Street
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30306-3450

NAME: Pabst, Patrea L.
 REGISTRATION NUMBER: 31, 284
 REFERENCE/DOCKET NUMBER: XU115CIP2
 TELEPHONE: (404) 873-8794
 TELEFAX: (404) 873-8795
 INFORMATION FOR SEQ ID NO: 9;
 SEQUENCE CHARACTERISTICS:
 LENGTH: 29 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 SEQUENCE DESCRIPTION: SEQ ID NO: 9
 US-09-602-424-9

Query Match 2.0%; Score 15; DB 4; Length 29;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTTTTTGATC 730
 Db 6 TTTTTTTTTGATC 20

RESULT 12
 US-08-173-489C-20
 Sequence 20, Application US/08173489C
 GENERAL INFORMATION:
 Patent No. 5861244
 APPLICANT: WANG, C. -G.
 APPLICANT: HEPBURN, A. G.
 TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
 TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
 NUMBER OF SEQUENCES: 365
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
 STREET: 510 EAST 73RD STREET,
 CITY: NEW YORK
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 10021.

COMPUTER READABLE FORM:
 MEDIUM, TYPE: 3.5 inch, 1.44MB storage
 COMPUTER: IBM PC/XT/AT
 OPERATING SYSTEM: MS-DOS version 6.2
 SOFTWARE: Wordperfect Version 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/173,489C
 FILING DATE: 22 DEC 1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/968,436
 FILING DATE: 29 OCT 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Handelman, Joseph H.
 REGISTRATION NUMBER: 26,179
 REFERENCE/DOCKET NUMBER: U9518-6
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (attorney) (212) 708-1880
 TELEFAX: (attorney) (212) 246-8959
 INFORMATION FOR SEQ ID NO: 20;
 SEQUENCE CHARACTERISTICS:
 LENGTH: 35 bases
 TYPE: Nucleic Acid
 STRANDEDNESS: single stranded
 TOPOLOGY: linear
 MOLECULE TYPE: other nucleic acid
 DESCRIPTION: third strand derived from n-myC
 DESCRIPTION: sequence region in Seq ID No. 586124419
 HYPOTHETICAL: Yes
 ANTI-SENSE: No
 PUBLICATION INFORMATION:
 RELEVANT RESIDUES IN SEQ ID NO: 20 : FROM 1 TO 35
 US-08-173-489C-20

Query Match 2.0%; Score 15; DB 2; Length 35;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 461 TTTTTTTCTTTC 475
 Db 12 TTTCCTTCTTTC 26

NAME: Pabst, Patrea L.
 REGISTRATION NUMBER: 31, 284
 REFERENCE/DOCKET NUMBER: XU115CIP2
 TELEPHONE: (404) 873-8794
 TELEFAX: (404) 873-8795
 INFORMATION FOR SEQ ID NO: 9;
 SEQUENCE CHARACTERISTICS:
 LENGTH: 29 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO

RESULT 13
 US 08-332-021-28
 Sequence 28; Application US/08832021
 ; GENERAL INFORMATION:
 ; APPLICANT: Combates, N.
 ; APPLICANT: Bardinas, J.
 ; APPLICANT: Parimo, S.
 ; APPLICANT: Prouty, S.
 ; APPLICANT: Stann, K.
 ; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
 ; FILE REFERENCE: JBP-382
 ; CURRENT APPLICATION NUMBER: US/08/832,021
 ; CURRENT FILING DATE: 1997-04-02
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 28
 ; LENGTH: 15
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: primer
 US-08-832-021-28

Query Match Score 1.9%; Best Local Similarity 100.0%; Pred. No. 3.2e+03; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 716 TTTTTTTTTGAT 729
 Db 2 TTTCCTTGTAT 15

RESULT 14
 US 08-275-951-31
 Sequence 31; Application US/08275951
 ; GENERAL INFORMATION:
 ; APPLICANT: Egholm, Michael
 ; APPLICANT: Kiely, John
 ; APPLICANT: Griffin, Michael
 ; APPLICANT: Coulil, James M.
 ; APPLICANT: Neilsen, Peter
 ; APPLICANT: Buchardt, Ole
 ; APPLICANT: Bucholm, Kim L.
 ; APPLICANT: Christensen, Leif
 ; TITLE OF INVENTION: Linked Peptide Nucleic Acids
 ; FILE REFERENCE: ISSI577
 ; CURRENT APPLICATION NUMBER: US/08/275,951
 ; CURRENT FILING DATE: 1994-07-15
 ; PRIOR APPLICATION NUMBER: 08/108,591
 ; PRIOR FILING DATE: 1993-11-22
 ; PRIOR APPLICATION NUMBER: 08/088,658
 ; PRIOR FILING DATE: 1993-07-02
 ; PRIOR APPLICATION NUMBER: 08/088,661
 ; PRIOR FILING DATE: 1993-07-02
 ; PRIOR APPLICATION NUMBER: PCT/EP92/01219
 ; PRIOR FILING DATE: 1992-05-22
 ; PRIOR APPLICATION NUMBER: 9881/91
 ; PRIOR FILING DATE: 1991-05-22
 ; PRIOR APPLICATION NUMBER: 9881/91
 ; PRIOR FILING DATE: 1991-05-24
 ; PRIOR APPLICATION NUMBER: 510/92
 ; PRIOR FILING DATE: 1991-04-15
 ; NUMBER OF SEQ ID NOS: 65
 ; SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 31
 LENGTH: 15
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: No. 64519681 Sequence NAME/KEY: misc_feature

RESULT 15
 US-09-531-000-9
 Sequence 9; Application US/09531000
 ; GENERAL INFORMATION:
 ; APPLICANT: FRANCION, Marion D.
 ; APPLICANT: FRISCO, Jacques R.
 ; TITLE OF INVENTION: TRIPLEX IN-SITU HYBRIDIZATION
 ; CURRENT APPLICATION NUMBER: US/09/531,000
 ; CURRENT FILING DATE: 2000-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US98/23765
 ; PRIOR FILING DATE: 1998-11-10
 ; PRIOR APPLICATION NUMBER: 60/064,997
 ; PRIOR FILING DATE: 1997-11-10
 ; NUMBER OF SEQ ID NOS: 77
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 9
 ; LENGTH: 16
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Target
 ; OTHER INFORMATION: Descriptions of sequences
 US-09-531-000-9

Query Match Score 1.9%; Best Local Similarity 100.0%; Pred. No. 3.2e+03; Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 465 TTTCCTTGTATT 478
 Db 2 TTTCCTTGTATT 15

Search completed: September 16, 2004, 20:56:05
 Job time : 78.7287 secs

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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 20:34:17 ; Search time 454.552 Seconds

(without alignments)

8361.486 Million cell updates/sec

Title: US-09-477-082-2

Perfect score: 753

Sequence: 1 aatttagaccgcgttttggaa.....tacactggtttttaacctt 753

Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 33207077 seqs, 2523723180 residues

Word size : 0

Total number of hits satisfying chosen Parameters: 1870910

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

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 10: /cgn2_6_ptodata/2/pubna/us10c_PUBCOMB.seq; *
 11: /cgn2_6_ptodata/2/pubna/us09_PUBCOMB.seq; *
 12: /cgn2_6_ptodata/2/pubna/us09_new_pub.seq; *
 13: /cgn2_6_ptodata/2/pubna/us09_new_pub.seq; *
 14: /cgn2_6_ptodata/2/pubna/us10c_PUBCOMB.seq; *
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 17: /cgn2_6_ptodata/2/pubna/us10c_new_pub.seq; *
 18: /cgn2_6_ptodata/2/pubna/us60_new_pub.seq; *
 19: /cgn2_6_ptodata/2/pubna/us60_PUBCOMB.seq; *

Pre. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Description	Length	DB ID	Score	Length	DB ID
1	19	2.5	19	41	12	US-10-035-833A-2005	Sequence 4005, AP	Sequence 4005, AP
2	19	2.5	41	12	US-10-035-833A-1600	Sequence 4600, AP	Sequence 4600, AP	Sequence 4600, AP
3	18	2.4	20	13	US-10-282-174-524	Sequence 524, APP	Sequence 524, APP	Sequence 524, APP
4	17	2.3	32	11	US-09-906-179A-157	Sequence 157, APP	Sequence 157, APP	Sequence 157, APP
C 5	16	2.1	20	13	US-10-282-174-525	Sequence 525, APP	Sequence 525, APP	Sequence 525, APP
C 6	16	2.1	27	16	US-10-118-182-164	Sequence 164, APP	Sequence 164, APP	Sequence 164, APP
C 7	16	2.1	27	17	US-10-416-99A-5	Sequence 5, APP	Sequence 5, APP	Sequence 5, APP
C 8	16	2.1	39	9	US-09-838-53A-87	Sequence 87, APP	Sequence 87, APP	Sequence 87, APP
C 9	16	2.1	41	12	US-10-035-833A-596	Sequence 596, APP	Sequence 596, APP	Sequence 596, APP
C 10	15	2.0	17	15	US-10-338-777-196	Sequence 196, APP	Sequence 196, APP	Sequence 196, APP
C 11	15	2.0	20	10	US-09-912-724-28	Sequence 28, APP	Sequence 28, APP	Sequence 28, APP
C 12	15	2.0	27	9	US-09-263-959-524	Sequence 9, APP	Sequence 9, APP	Sequence 9, APP
C 13	15	2.0	29	9	US-09-841-513-9	Sequence 9, APP	Sequence 9, APP	Sequence 9, APP
C 14	15	2.0	29	15	US-10-038-718-9	Sequence 4600, APP	Sequence 4600, APP	Sequence 4600, APP

RESULTS

RESULT 1
 US-10-035-833A-2005
 Sequence 2005, Application US/10035833A
 Publication No. US20040072156A1
 GENERAL INFORMATION:
 APPLICANT: Nakamura, Yuho
 SEKINE, Akio
 Iida, Akitoshi
 SAITO, Osamu
 TITLE OF INVENTION: Detection of Genetic Polymorphisms
 FILE REFERENCE: PORS-06904
 CURRENT APPLICATION NUMBER: US/10/035,833A
 NUMBER OF SEQ ID NOS: 7669
 SEQ ID NC 2005
 SOFTWARE: PatentIn version 3.2
 SEQ ID NC 2005
 LENGTH: 41
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (21).(21)
 OTHER INFORMATION: t is present or absent.

US-10-035-833A-2005

Query Match 2.5%; Score 19; DB 12; Length 41;
 Best Local Similarity 100.0%; Pred. No. 55;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy: 461 TTTTTCTTCTTCTTCTTATT 479
 Db: 14 TTCTTCTTCTTCTTCTTATT 32

RESULT 2
 US-10-035-833A-4600
 Sequence 4600, Application US/10035833A
 ; Sequence 4600, Application US/10035833A

Publication No. US20040072156A1
; GENERAL INFORMATION:
; APPLICANT: Sekine, Yuhio
; APPLICANT: Iida, Akitoshi
; APPLICANT: Saito, Osamu
; TITLE OF INVENTION: Detection of Genetic Polymorphisms
; FILE REFERENCE: FORS-08904
; CURRENT APPLICATION NUMBER: US/10/035,833A
; NUMBER OF SEQ ID NOS: 7669
; SEQ ID NO: 4600
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: misc_feature
; LOCATION: (21)..(21)
; OTHER INFORMATION: t is present or absent.

Query Match 2.4%; Score 18; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 613 TCCCTCCCTGCCTCTG 630
Db 3 TCCCTCCCTGCCTCTG 20

RESULT 4
US-09-906-179A-157
Sequence 157, Application US/0906179A
; Publication No. US20030219737A1
; GENERAL INFORMATION:
; APPLICANT: Bullard, James M.
; APPLICANT: Janjic, Nebojsa S.
; APPLICANT: McHenry, Charles S.
; TITLE OF INVENTION: NOVEL DNA POLYMERASE III HOLOENZYME DELTA SUBUNIT
; FILE REFERENCE: RDN03
; CURRENT APPLICATION NUMBER: US/09/906-179A
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 60/218,246
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 09/818,780
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/192,736
; PRIOR FILING DATE: 2000-03-28
; NUMBER OF SEQ ID NOS: 230
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 157
; LENGTH: 32
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-906-179A-157

Query Match 2.3%; Score 17; DB 11; Length 32;
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 167 CAGGAACCAATAAT 183
Db 8 CAGGAACCAATAAT 24

RESULT 5
US-10-282-174-524
Sequence 524, Application US/10282174
; Publication No. US20030224380A1
; GENERAL INFORMATION:
; APPLICANT: Becker, Kenneth David
; APPLICANT: Valicelbi, Gonul
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Wang, Xin
; APPLICANT: Bertram, Lars
; APPLICANT: Saunders, Aleister J.
; APPLICANT: Mullin, Kristina M.
; APPLICANT: Sampson, Andrew Johnson
; APPLICANT: Blacker, Deborah Lynne
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10
; TITLE OF INVENTION: ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER
; TITLE OF INVENTION: NEURODEGENERATIVE DISEASES
FILE REFERENCE: 37481-3308
CURRENT APPLICATION NUMBER: US/10/282-174
PRIOR APPLICATION NUMBER: US 60/339,525
PRIOR FILING DATE: 2001-10-25
PRIOR APPLICATION NUMBER: US 60/338,.010
PRIOR FILING DATE: 2001-11-08
PRIOR APPLICATION NUMBER: US 60/336,,929
PRIOR FILING DATE: 2001-11-08
PRIOR APPLICATION NUMBER: US 60/338,,363
PRIOR FILING DATE: 2001-11-09
PRIOR APPLICATION NUMBER: US 60/337,,052
PRIOR FILING DATE: 2001-12-04
PRIOR APPLICATION NUMBER: US 60/368,,919
PRIOR FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 564
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 524
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Primer
US-10-282-174-524

RESULT 5
US-10-282-174-525/C
Sequence 525, Application US/10282174
; Publication No. US20030224380A1
; GENERAL INFORMATION:
; APPLICANT: Becker, Kenneth David
; APPLICANT: Valicelbi, Gonul
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Wang, Xin
; APPLICANT: Tanz, Rudolph E.
; APPLICANT: Bertram, Lars
; APPLICANT: Saunders, Aleister J.
; APPLICANT: Mullin, Kristina M.
; APPLICANT: Sampson, Andrew Johnson
; APPLICANT: Blacker, Deborah Lynne
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10
; TITLE OF INVENTION: ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER
; TITLE OF INVENTION: NEURODEGENERATIVE DISEASES
FILE REFERENCE: 37481-3308
CURRENT APPLICATION NUMBER: US/10/282-174
; PRIOR APPLICATION NUMBER: US 60/339,525
; PRIOR FILING DATE: 2002-10-05
; PRIOR APPLICATION NUMBER: US 60/339,525
; PRIOR FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: US 60/338,,010
; PRIOR FILING DATE: 2001-11-08

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; PRIOR APPLICATION NUMBER: US 60/336,929
; PRIOR FILING DATE: 000-11-08
; PRIOR APPLICATION NUMBER: US 60/338,363
; PRIOR FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: US 60/337,052
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US 60/368,919
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 564
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 525
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE: Primer
; OTHER INFORMATION: Primer
US-10-282-174-525

Query Match 2.1%; Score 16; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 613 TCCCCCTCCTGCCCTC 628
Db 16 TCCCCCTCCTGCCCTC 1

RESULT 6
US-10-418-182-164/c
Sequence 164, Application US/10418182
Publication No. US2003028302A1
GENERAL INFORMATION:
APPLICANT: Crea, Roberto
TITLE OF INVENTION: UNIVERSAL LIBRARIES FOR IMMUNOGLOBULINS
FILE REFERENCE: 1551.2001-001
CURRENT APPLICATION NUMBER: US/10/418.182
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: 60/373,558
PRIOR FILING DATE: 2002-04-17
NUMBER OF SEQ ID NOS: 423
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 164
LENGTH: 27
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: oligonucleotide
OTHER INFORMATION: oligonucleotide
US-10-418-182-164

Query Match 2.1%; Score 16; DB 16; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 460 CTTTTCTTCTTTTC 475
Db 18 CTTTTCTTCTTTTC 3

RESULT 7
US-10-416-699A-5/c
Sequence 5, Application US/10416699A
Publication No. US/04013203A1
GENERAL INFORMATION:
APPLICANT: Toyo Kohan Co., Ltd.
TITLE OF INVENTION: SUPPORTS FOR HYBRIDIZATION AND METHOD OF IMMOBILIZING HYBRID
FILE REFERENCE: OKAMURA=5
CURRENT APPLICATION NUMBER: US/10/416,699A
CURRENT FILING DATE: 2003-05-13
PRIOR APPLICATION NUMBER: JP2000/344651
PRIOR FILING DATE: 2000-11-13
PRIOR APPLICATION NUMBER: PCT/JP01/09798
PRIOR FILING DATE: 2001-11-09
NUMBER OF SEQ ID NOS: 5

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 5
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-416-699A-5

Query Match 2.1%; Score 16; DB 17; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 710 ATGAACTTTTTTT 725
Db 16 ATGAACTTTTTTT 1

RESULT 8
US-09-828-523A-87/c
Sequence 87, Application US/09828523A
; Patent No. US20010168697A1
; GENERAL INFORMATION:
APPLICANT: The Pharmacia & Upjohn Company
FILE REFERENCE: 268-62120101
CURRENT APPLICATION NUMBER: US/09/828,523A
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/266,327
; PRIOR FILING DATE: 2000-04-06
NUMBER OF SEQ ID NOS: 99
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 87
LENGTH: 39
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer.
US-09-828-523A-87

Query Match 2.1%; Score 16; DB 9; Length 39;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 463 TTTCCTTTCTTTAT 478
Db 27 TTTCCTTTCTTTCTAT 12

RESULT 9
US-10-035-833A-5996/c
Sequence 5996, Application US/10035833A
; Publication No. US20040072156A1
; GENERAL INFORMATION:
APPLICANT: Nakamura, Yuho
; Sekine, Akihiro
APPLICANT: Iida, Aritoshi
APPLICANT: Saito, Osamu
; TITLE OF INVENTION: Detection of Genetic Polymorphisms
FILE REFERENCE: FOR-06904
CURRENT APPLICATION NUMBER: US/10/035,833A
CURRENT FILING DATE: 2001-12-27
NUMBER OF SEQ ID NOS: 7669
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 5996
LENGTH: 41
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
NAME/KEY: misc_feature
LOCATION: (21)-(21)
; OTHER INFORMATION: a is present or absent.
US-10-035-833A-5996

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RESULT 10
 Query Match 2.1%; Score 16; DB 12; Length 41;
 Best Local Similarity 100.0%; Pred. No. 1.8e+03;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO: 461 TTTTTTCTTCATCA 476
 Db 20 TTTTTTCTTCATCA 5

RESULT 11
 Query Match 2.0%; Score 15; DB 15; Length 17;
 Best Local Similarity 100.0%; Pred. No. 5.8e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO: 716 TTGTTTTTTTGATC 730
 Db 15 TTGTTTTTTTGATC 1

RESULT 12
 Query Match 2.0%; Score 15; DB 10; Length 20;
 Best Local Similarity 100.0%; Pred. No. 5.8e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO: 273 GGCCAGGCTCTCCCTG 287
 Db 15 GGCCAGGCTCTCCCTG 1

RESULT 13
 Query Match 2.0%; Score 15; DB 9; Length 27;
 Best Local Similarity 100.0%; Pred. No. 5.8e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Patent No. US20020150891A1
 GENERAL INFORMATION:
 APPLICANT: Hoog, Leroy E.
 ADDRESS: Rowan, Lee
 APPLICANT: Koop, Ben F.
 TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE SEQUENCES
 NUMBER OF SEQUENCES: 1279
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Seed and Berry LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: US
 ZIP: 98104-7032
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/263,959
 FILING DATE: 05-MAR-1999
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: McNamee, David D.
 REGISTRATION NUMBER: 33.3.963
 REFERENCE/DOCKET NUMBER: 920010.426C2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 524:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 27 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-09-263-959-524
 Query Match 2.0%; Score 15; DB 9; Length 27;
 Best Local Similarity 100.0%; Pred. No. 5.8e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO: 461 TTGTTTTTTTGATC 475
 Db 25 TTGTTTTTTTGATC 11

RESULT 13
 Query Match 2.0%; Score 15; DB 9; Length 27;
 Best Local Similarity 100.0%; Pred. No. 5.8e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

US-09-841-513-9
 Sequence 9, Application US/09841513
 Publication No. US20000192649A1
 GENERAL INFORMATION:
 APPLICANT: Lizardi, Paul M. and Caplan, Michael
 TITLE OF INVENTION: Unimolecular Segment Amplification
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSSEE: Patrea, L. Pabst
 STREET: 2800 One Atlantic Center
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30303-3450
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/841,513
 FILING DATE: 24-Apr-2001
 CLASSIFICATION: <Unknown>

RESULT 12
 Sequence 524, Application US/09263959
 / Sequence 524, Application US/09263959

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/754,681
 FILING DATE: <Unknown>
 APPLICATION NUMBER: 60/016,677
 FILING DATE: MAY 1, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Pabst, Patrea L.
 REGISTRATION NUMBER: 31,284
 REFERENCE/DOCKET NUMBER: YU115CIP2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (404)873-8794
 TELEFAX: (404)873-8795
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 29 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 SEQUENCE DESCRIPTION: SEQ ID NO: 9:
 US-10-033-718-9

Query Match 2.0%; Score 15; DB 15; Length 29;
 Best Local Similarity 100.0%; Pred. No. 5.8e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTTTTTGATC 730
 Db 6 TTTTTTTTTGATC 20

RESULT 15
 US-10-413-041-9
 Sequence 9, Application US/10413041
 Publication No. US2003023849A1
 GENERAL INFORMATION:
 APPLICANT: Lizardi, Paul M. and Caplan, Michael
 TITLE OF INVENTION: Unimolecular Segment Amplification
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Patrea L. Pabst
 STREET: 2800 One Atlantic Center
 CITY: Atlanta
 STATE: Georgia
 COUNTRY: USA
 ZIP: 30306-3450
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/413,041
 FILING DATE: 14-Apr-2003
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/754,681
 FILING DATE: NO. US2003023549A1ember 21, 1996
 APPLICATION NUMBER: 08/563,912
 FILING DATE: NO. US20030235849A1ember 21, 1995
 APPLICATION NUMBER: 60/016,677
 FILING DATE: May 1, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Pabst, Patrea L.
 REGISTRATION NUMBER: 31,284
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (404)873-8794
 TELEFAX: (404)873-8795
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 29 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 SEQUENCE DESCRIPTION: SEQ ID NO: 9:
 US-10-413-041-9

Query Match 2.0%; Score 15; DB 16; Length 29;
 Best Local Similarity 100.0%; Pred. No. 5.8e+03;
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTTTTTGATC 730

Mon Sep 20 11:28:08 2004

us-09-477-082-2.oliszlm50.rnpb

Page 6

Db ||||| 6 TTTTTTTTGATC 20

Search completed: September 16, 2004, 23:10:18
Job time : 456.552 secs

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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds

(without alignments)
310,678 Million cell updates/sec

Title: US-09-477-082-29

Perfect score: 21

Sequence: 1 tagggattccggatgttgcga 21

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters:

1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:
1: /cgm2_6/pctodata/2/ina/SA_COMB.seq:
2: /cgm2_6/pctodata/2/ina/5B_COMB.seq:
3: /cgm2_6/pctodata/2/ina/6A_COMB.seq:
4: /cgm2_6/pctodata/2/ina/6B_COMB.seq:
5: /cgm2_6/pctodata/2/ina/PCTUS.COMB.seq:
6: /cgm2_6/pctodata/2/ina/backfilseqs:
/backfilseqs:/

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description	
1	17.8	84.8	2887	4	US-09-993-502-14	Sequence 14, Appl	Sequence 14, Appl	
2	17.8	84.8	2887	4	US-09-5-16-74-14	Sequence 14, Appl	Sequence 14, Appl	
3	15.4	84.8	2887	4	PCT-US96-10521-14	Sequence 14, Appl	Sequence 14, Appl	
4	15.4	73.3	1471	4	US-09-320-312D-446	Sequence 446, Appl	Sequence 446, Appl	
C	15.4	73.3	11272	4	US-09-341-461-1	Sequence 1, Appl	Sequence 1, Appl	
6	15.2	72.4	872	4	US-09-016-434-6	Sequence 6, Appl	Sequence 6, Appl	
C	7	15.2	72.4	5849	3	US-09-134-246-6	Sequence 6, Appl	Sequence 6, Appl
8	15.2	72.4	42571	4	US-09-810-347-3	Sequence 3, Appl	Sequence 3, Appl	
9	15.2	72.4	168575	4	US-09-126-266-1	Sequence 1, Appl	Sequence 1, Appl	
10	15.2	72.4	4401765	3	US-09-103-040A-2	Sequence 2, Appl	Sequence 2, Appl	
11	15.2	72.4	4411529	3	US-09-103-840A-1	Sequence 1, Appl	Sequence 1, Appl	
12	14.8	70.5	152	4	US-09-196-12793	Sequence 12793, A	Sequence 12793, A	
13	14.8	70.5	155	4	US-09-221-976-12743	Sequence 323, Appl	Sequence 323, Appl	
14	14.8	70.5	987	4	US-09-543-681A-323	Sequence 1, Appl	Sequence 1, Appl	
15	14.6	69.5	419	4	US-09-000-266-1	Sequence 3, Appl	Sequence 3, Appl	
C	16	14.6	69.5	419	4	US-09-000-266-3	Sequence 1, Appl	Sequence 1, Appl
C	17	14.6	69.5	419	4	US-09-028-099-1	Sequence 1, Appl	Sequence 1, Appl
C	18	14.6	69.5	419	4	US-09-628-099-3	Sequence 3, Appl	Sequence 3, Appl
C	19	14.6	69.5	419	4	US-10-056-360-1	Sequence 1, Appl	Sequence 1, Appl
C	20	14.6	69.5	419	4	US-10-056-360-3	Sequence 3, Appl	Sequence 3, Appl
C	21	14.6	69.5	419	4	US-10-056-359-1	Sequence 1, Appl	Sequence 1, Appl
C	22	14.6	69.5	419	4	US-10-056-359-3	Sequence 3, Appl	Sequence 3, Appl
C	23	14.6	69.5	885	4	US-09-107-512A-593	Sequence 593, Appl	Sequence 593, Appl
C	24	14.6	69.5	1602	4	US-09-107-512A-885	Sequence 885, Appl	Sequence 885, Appl
C	25	14.6	69.5	2260	4	US-09-189-463A-35	Sequence 35, Appl	Sequence 35, Appl
C	26	14.6	69.5	3363	4	US-09-221-017B-162	Sequence 862, Appl	Sequence 862, Appl
C	27	14.4	2596	4	US-09-808-701A-7	Sequence 7, Appl	Sequence 7, Appl	

ALIGNMENTS

RESULT 1
US-09-983-502-14

; Sequence 14, Application US/08983502
; Patient No. 63993-77
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; APPLICANT: Mark P. BOLDIN
; APPLICANT: Tanya M. GONCHAROV
; APPLICANT: Yury V. GOLESEV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; TITLE OF INVENTION: AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; CORESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30.
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/983,502
; FILING DATE: 16-JAN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE: 14-JUN-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Browdy, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH-19
; TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197
 TELEFAX: (202) 737-3528
 INFORMATION FOR SEQ ID NO: 14:
 LENGTH: 287 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 US-08-983-502-14

Query Match 84.8%; Score 17.8; DB 4; Length 2887;
 Best Local Similarity 90.5%; Pred. No. 6;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

RESULT 3

PCT-US96-110521-14
 Sequence 14, Application PC/TUS9610521
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
 ; NUMBER OF SEQUENCES: 34
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US96/10521
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 114,615
 ; FILING DATE: 16-JUL-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 114,986
 ; FILING DATE: 17-AUG-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 115,319
 ; FILING DATE: 14-SEP-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 116,588
 ; FILING DATE: 27-DEC-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 117,932
 ; FILING DATE: 16-APR-1996
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 287 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 PCT-US96-110521-14

Query Match 84.8%; Score 17.8; DB 5; Length 2887;
 Best Local Similarity 90.5%; Pred. No. 6;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

RESULT 4

US-09-620-312D-446
 Sequence 446, Application US/09620312D
 ; Patent No. 6569662
 ; GENERAL INFORMATION:
 ; APPLICANT: Tang, Y. Tom
 ; APPLICANT: Liu, Chenghua
 ; APPLICANT: Asundi, Vinod
 ; APPLICANT: Zhang, Jie
 ; APPLICANT: Ren, Peiyan

INFORMATION FOR SEQ ID NO: 14:
 LENGTH: 287 base pairs
 SEQUENCE CHARACTERISTICS:
 TYPE: nucleic acid pairs
 STRANDEDNESS: single
 TOPOLOGY: linear

RESULT 6
US-09-016-434-6
; Sequence 6, Application US/09016434
; Patent No. 6500338
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; Jeffrey J. Seihamer
; Jeffrey J. Seihamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Kren J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-1166
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 872 base pairs
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: THPLBL01
; CLONE: 011615
; US-09-016-434-6

Query Match 73.3%; Score 15.4; DB 4; Length 1471;
Best Local Similarity 94.1%; Pred. No. 90;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGGATTGGAGATTGC 19
Db 669 GGGGATTGGAGATTGC 685

RESULT 5
US-09-341-461-1/c
; Sequence 1, Application US/09341461
; Patent No. 6586389
; GENERAL INFORMATION:
; APPLICANT: Hammond, Timothy G.
; APPLICANT: Verreault, Pierre J.
; TITLE OF INVENTION: Cubilin Protein, DNA Sequences Encoding Cubilin
; TITLE OF INVENTION: Cubilin and Uses Thereof
; FILE REFERENCE: D6148
; CURRENT APPLICATION NUMBER: US/09/341,461
; CURRENT FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: PCT/US99/01259
; NUMBER OF SEQ ID NOS: 40
; SEQ ID NO: 1
; LENGTH: 11272
; TYPE: DNA
; ORGANISM: rat
; OTHER INFORMATION: nucleic acid sequence of rat cubilin

Query Match 73.3%; Score 15.4; DB 4; Length 11272;
Best Local Similarity 94.1%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGGATTGGAGATTGC 19
Db 8562 GGGGATTGGAAATTGC 8546

RESULT 7
US-09-134-246-6/c
; Sequence 6, Application US/09134246B
; Patent No. 620777
; GENERAL INFORMATION:
; APPLICANT: Wayne, Jay
; Xu Shuang-yong
; TITLE OF INVENTION: Method For Construction Of Thermus-E. coli Shuttle
; Plasmid
; TITLE OF INVENTION: Vectors And Identification of Two Thermus Plasmid
; FILE REFERENCE: Thermus Shuttle Vector
; CURRENT APPLICATION NUMBER: US/09/134,246B
; CURRENT FILING DATE: 1998-08-14
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 6

;

LENGTH: 5849

TYPE: DNA

ORGANISM: Thermus sp.

US-09-134-246-6

Query Match Score 15.2; DB 3; Length 5849;
Best Local Similarity 85.0%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 3;
Indels 0; Gaps 0;

Qy 2 AGGGATTCGAGATTGCCGA 21
Db 4909 AGGAGATAGGAGATTGAGA 4890

RESULT 8
US-09-810-347-3
Sequence 3, Application US/09810347
Patent No. 6461847

GENERAL INFORMATION:
APPLICANT: YE, Jane et al.
TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES TITLE OF INVENTION: THEREOF
FILE REFERENCE: CLO1169
CURRENT APPLICATION NUMBER: US/09/810,347
CURRENT FILING DATE: 2001-03-19
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 42571
TYPE: DNA
ORGANISM: Human
US-09-810-347-3

Query Match Score 15.2%; DB 4; Length 42571;
Best Local Similarity 85.0%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 3;
Indels 0; Gaps 0;

Qy 2 AGGGATTCGAGATTGCCGA 21
Db 22240 AGGTAATCTGAGATTGCCGA 22259

RESULT 9
US-09-426-290-1
Sequence 1, Application US/09426290
Patent No. 6410712

GENERAL INFORMATION:
APPLICANT: Berglind Ran Olafsdottir
TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
FILE REFERENCE: 2345-HUMAN-000
CURRENT APPLICATION NUMBER: US/09/426,290
CURRENT FILING DATE: 1999-10-25
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 168575
TYPE: DNA
ORGANISM: Homo Sapiens

FEATURE:
NAME/KEY: CDS
LOCATION: (21181)...(21403)

;

NAME/KEY: CDS
LOCATION: (95252)...(95430)

;

NAME/KEY: CDS
LOCATION: (101753)...(101996)

;

NAME/KEY: CDS
LOCATION: (110324)...(110439)

;

NAME/KEY: CDS
LOCATION: (124058)...(124278)

;

NAME/KEY: CDS
LOCATION: (127009)...(127130)

;

NAME/KEY: CDS
LOCATION: (128910)...(129139)
US-09-426-290-1

Query Match Score 15.2%; DB 4; Length 168575;
Best Local Similarity 85.0%; Pred. No. 2e+02;
Matches 17; Conservative 0; Mismatches 3;
Indels 0; Gaps 0;

Qy 2 AGGGATTCGAGATTGCCGA 21
Db 29456 AGGGATTCGAGATTGCCGA 29475

RESULT 10
US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328

GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24316-20007/00
CURRENT APPLICATION NUMBER: US/09/103, 840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765

;

TYPE: DNA
ORGANISM: Mycobacterium tuberculosis

FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match Score 15.2%; DB 3; Length 4403765;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3;
Indels 0; Gaps 0;

Qy 1 TAGGGATTCGAGATTGCCGA 20
Db 1931100 TAGACATTGGAGATGCCGA 1931119

RESULT 11
US-09-103-840A-1
Sequence 1, Application US/09103840A
Patent No. 6294328

GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007/00
CURRENT APPLICATION NUMBER: US/09/103, 840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529

;

TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match Score 15.2%; DB 3; Length 4411529;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;

RESULT 12
 US-09-621-976-12793 Application US/09621976
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.B.
 ; ATTORNEY: Jobert, S.
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 ; FILE REFERENCE: GENSET 054P22
 ; CURRENT APPLICATION NUMBER: US/09/621,976
 ; CURRENT FILING DATE: 2000-07-21
 ; NUMBER OF SEQ ID NOS: 19335
 ; SOFTWARE: Patent.Pm
 ; SEQ ID NO: 12793
 ; LENGTH: 152
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-621-976-12793
 Query Match 1 TAGGGATTGGAGATTCGCG 20
 Best Local Similarity 88.9%; Score 14.8%; DB 4; Length 155;
 Matches 16; Conservative 0; Indels 0; Gaps 0;
 SEQ ID NO: 6639063
 ; PRIORITY INFORMATION:
 ; PRIORITY NUMBER: US 60/128,705
 ; PRIORITY FILING DATE: 1999-04-09
 ; SEQ ID NO: 323
 ; LENGTH: 987
 ; TYPE: DNA
 ; ORGANISM: Proteus mirabilis
 US-09-543-681A-323

Query Match 2 TAGGGATTGGAGATTCGCG 1940348
 Best Local Similarity 88.9%; Score 14.8%; DB 4; Length 987;
 Matches 16; Conservative 0; Indels 0; Gaps 0;
 SEQ ID NO: 323
 ; PRIORITY INFORMATION:
 ; PRIORITY NUMBER: US 60/128,705
 ; PRIORITY FILING DATE: 1999-04-09
 ; SEQ ID NO: 834
 ; LENGTH: 987
 ; TYPE: DNA
 ; ORGANISM: Proteus mirabilis
 US-09-543-681A-323

RESULT 13
 US-09-621-976-12743 Application US/09621976
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.B.
 ; ATTORNEY: Jobert, S.
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 ; FILE REFERENCE: GENSET 054P22
 ; CURRENT APPLICATION NUMBER: US/09/621,976
 ; CURRENT FILING DATE: 2000-07-21
 ; NUMBER OF SEQ ID NOS: 19335
 ; SOFTWARE: Patent.Pm
 ; SEQ ID NO: 12743
 ; LENGTH: 155
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-621-976-12743
 Query Match 3 TAGGGATTGGAGATTCGCG 21
 Best Local Similarity 88.9%; Score 14.8%; DB 4; Length 155;
 Matches 16; Conservative 0; Indels 0; Gaps 0;
 SEQ ID NO: 6639063
 ; PRIORITY INFORMATION:
 ; PRIORITY NUMBER: US 60/128,705
 ; PRIORITY FILING DATE: 1999-04-09
 ; SEQ ID NO: 323
 ; LENGTH: 987
 ; TYPE: DNA
 ; ORGANISM: Proteus mirabilis
 US-09-543-681A-323

RESULT 14
 US-09-543-681A-323 Application US/09543681A
 ; Sequence 323, Application US/09543681A
 ; PRIORITY NUMBER: US 6603709
 ; PRIORITY FILING DATE: 1998-07-16
 ; PRIORITY INFORMATION:
 ; APPLICANT: GARY BRITTON
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
 ; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 187.076 Seconds
(without alignments)

566.594 Million cell updates/sec

Title: US-09-477-082-29
Perfect score: 21
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Scoring table: IDENTITY_NUC
GapOP 10_0 , Gapext 1.0

Searched: 332707 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters:

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Minimum DB Seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

Database : Published Applications NA: *

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Pred. No. is the number of results Predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	17.8	94.8	60	10 US-09-908-975-31650	Sequence 31650, A
2	17.8	84.8	2887	16 US-10-68-48-14	Sequence 14, Appl
3	17.4	82.9	8951	15 US-10-311-455-767	Sequence 767, App
4	16.8	80.0	5518	15 US-10-111-455-190	Sequence 190, Appl
5	16.8	80.0	5518	15 US-10-240-452-18	Sequence 18, Appl
6	16.2	77.1	404	17 US-10-767-701-27172	Sequence 27172, A
C	7	16.2	77.1	1195 17 US-10-767-701-12313	Sequence 12313, A
8	15.8	75.2	1116	13 US-10-085-783A-27470	Sequence 27470, A
9	15.8	75.2	1116	16 US-10-122-53A-27470	Sequence 27470, A
C	10	15.8	75.2	493 16 US-10-042-674-340	Sequence 340, Appl
C	11	15.8	75.2	495 9 US-09-873-880-7	Sequence 7, Appl
C	12	75.2	1362 9 US-09-873-880-29	Sequence 29, Appl	
C	13	15.8	75.2	1519 13 US-10-124-599-125852	Sequence 125852, App
C	14	15.8	75.2	5546 15 US-10-311-455-364	Sequence 364, App

RESULT 2

15	15.8	75.2	5546	17 US-10-311-507-92	Sequence 92, Appl
16	15.8	75.2	6973	15 US-10-111-455-1751	Sequence 1751, Appl
17	15.8	75.2	13627	17 US-10-433-79-6	Sequence 6, Appl
C	18	15.8	51664	13 US-10-087-192-877	Sequence 886, APP
C	19	15.8	75.2	73957	13 US-10-087-192-886
C	20	15.8	3673778	15 US-10-312-941-1	Sequence 1, Appl
C	21	15.4	259	13 US-10-424-559-9-1019	Sequence 91019, A
C	22	15.4	906	13 US-10-424-559-130722	Sequence 130722,
C	23	15.4	950	17 US-10-437-963-41243	Sequence 41243, A
C	24	15.4	1471	15 US-10-037-270-446	Sequence 446, APP
C	25	15.4	14955	16 US-10-117-722-446	Sequence 14955, A
C	26	15.4	2130	13 US-10-424-589-73370	Sequence 70370, A
C	27	15.4	6482	17 US-10-424-589-C-55	Sequence 55, Appl
C	28	15.4	8091	9 US-09-961-527A-6	Sequence 6, Appl
C	29	15.4	10872	12 US-10-152-319A-1984	Sequence 1984, Ap
C	30	15.4	14955	9 US-19-961-527A-1	Sequence 1, Appl
C	31	15.4	16914	13 US-10-221-613-214	Sequence 214, APP
C	32	15.4	42339	13 US-10-087-122-991	Sequence 991, APP
C	33	15.4	2731748	17 US-10-297-465A-1	Sequence 1, Appl
C	34	15.4	3673778	15 US-10-112-841-2	Sequence 2, Appl
C	35	15.2	282	9 US-09-294-093B-1232	Sequence 1232, AP
C	36	15.2	285	9 US-09-294-093B-775	Sequence 775, APP
C	37	15.2	342	9 US-09-770-791-820	Sequence 820, APP
C	38	15.2	470	12 US-09-922-293-3533	Sequence 3533, AP
C	39	15.2	474	12 US-10-424-598-491	Sequence 9491, AP
C	40	15.2	531	13 US-10-424-632-30065	Sequence 30065, A
C	41	15.2	580	16 US-10-027-632-187638	Sequence 187638,
C	42	15.2	580	16 US-10-027-632-187638	Sequence 187638,
C	43	15.2	630	13 US-10-027-632-187638	Sequence 187638,
C	44	15.2	630	16 US-10-027-632-250518	Sequence 250518,

ALIGNMENTS

RESULT 1	US-09-908-975-31650	Publication No. US20030165843A1
		; GENERAL INFORMATION:
		; APPLICANT: SHOCHAN, Avi
		; INVENTOR: WASERMAN, Alon
		; ATTORNEY: MINTZ, Eliat
		; APPLICANT: FAIGLER, Simchon
		; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTOME
		; FILE REFERENCE: 36688-0005
		; CURRENT APPLICATION NUMBER: US/09/908-975
		; PRIOR APPLICATION NUMBER: US 60/287,724
		; PRIOR FILING DATE: 2001-05-02
		; NUMBER OF SEQ ID NOS: 60/221,607
		; SOFTWARE: PatentIn version 3.0
		; SEQ ID NO: 31650
		; LENGTH: 60
		; TYPE: DNA
		; ORGANISM: Homo sapiens
		US-09-908-975-31650

Query Match Score 84.8%; Pred. No. 38; Mismatches 0; Gaps 0;

QY 1 TAGGGATTGGAGATTGGCGGA 21

DB 19 TAGGGCACTGGAGCTGGCGGA 39

RESULT 2

US-10-368-438-14
 Sequence 14, Application US/10368438
 Publication No. US20030219411A1
 GENERAL INFORMATION:
 APPLICANT: David WALLACH
 Mark P. GOLDBLUM
 Tatyana M. GONCHAROV
 Yury V. GOLOSEV
 TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
 NUMBER OF SEQUENCES: AND OTHER PROTEINS
 NUMBER OF SEQUENCES: 34
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Browdy and Neimark
 STREET: 419 Seventh Street N.W., Ste. 300
 CITY: Washington
 STATE: D. C.
 COUNTRY: USA
 ZIP: 20004
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/568,438
 FILING DATE: 20-Feb-2003
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/983,502
 FILING DATE: 16-JAN-1998
 APPLICATION NUMBER: PCT/US96/10521
 FILING DATE: 14-JUN-1996
 APPLICATION NUMBER: IL 114,615
 FILING DATE: 16-JUL-1995
 APPLICATION NUMBER: IL 114,986
 APPLICATION NUMBER: IL 115,319
 FILING DATE: 14-SEP-1995
 APPLICATION NUMBER: IL 116,588
 FILING DATE: 17-AUG-1995
 APPLICATION NUMBER: IL 117,932
 FILING DATE: 16-APR-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Browdy, Roger L.
 REGISTRATION NUMBER: 25,618
 REFERENCE/DOCKET NUMBER: WALLACH=19
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 628-5197
 TELEFAX: (202) 737-3528
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2887 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 US-10-368-438-14:

Query Match 84.8%; Score 17.8; DB 16; Length 2887;
 Best Local Similarity 90.5%; Pred. No. 44; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGGATTGGAGATGGGA 21
 Db 221 TAGGGACTGGAGACTGGGA 241

RESULT 3
 US-10-311-455-767
 Sequence 767, Application US/10311455
 Publication No. US20030143606A1
 GENERAL INFORMATION:
 APPLICANT: OLEK, Alexander

APPLICANT: PIEPENBROCK, Christian
 APPLICANT: BERLIN, Kurt
 TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determination of Cytosine methylation
 FILE REFERENCE: 5013_1014
 CURRENT APPLICATION NUMBER: US/10/311,455
 CURRENT FILING DATE: 2002-12-16
 PRIOR APPLICATION NUMBER: PCT/EP01/07537
 PRIOR FILING DATE: 2001-07-02
 PRIOR APPLICATION NUMBER: DE 100332529-7
 SEQ ID NO: 767
 LENGTH: 8951
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 US-10-311-455-767

Query Match 82.9%; Score 17.4; DB 15; Length 8951;
 Best Local Similarity 94.7%; Pred. No. 74; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GGGGATTCGGAGATTGGGA 21
 Db 5581 GGGTTTCGGAGATTGGGA 5599

RESULT 4
 US-10-311-455-190
 Sequence 190, Application US/10311455
 Publication No. US20030143606A1
 GENERAL INFORMATION:
 APPLICANT: OLEK, Alexander
 APPLICANT: PIEPENBROCK, Christian
 APPLICANT: BERLIN, Kurt
 TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determination of Cytosine methylation
 FILE REFERENCE: 5013_1014
 CURRENT APPLICATION NUMBER: US/10/311,455
 CURRENT FILING DATE: 2002-12-16
 PRIOR APPLICATION NUMBER: PCT/EP01/07537
 PRIOR FILING DATE: 2001-07-02
 PRIOR APPLICATION NUMBER: DE 100332529-7
 PRIOR FILING DATE: 2000-06-30
 PRIOR APPLICATION NUMBER: DE 10043826-1
 SEQ ID NO: 190
 LENGTH: 5518
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 US-10-311-455-190

Query Match 80.0%; Score 16.8; DB 15; Length 5518;
 Best Local Similarity 90.0%; Pred. No. 1,4e+02; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGATTGGAGATGGGA 20
 Db 46 TAGGGATTGGAGATGTG 65

RESULT 5
 US-10-240-452-18
 Sequence 18, Application US/10240452
 Publication No. US20030162194A1
 GENERAL INFORMATION:
 APPLICANT: OLEK, Alexander

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; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPNBROCK, Christian
; APPLICANT: JERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Apoptosis
; FILE REFERENCE: 5013.1006
; CURRENT APPLICATION NUMBER: US/10/240,452
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03969
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DB 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 76
; SEQ ID NO: 18
; LENGTH: 5518
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; US-10-240-452-18

Query Match Score 80.0%; DB 15; Length 5518;
Best Local Similarity 90.0%; Pred. No. 1.4e-02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGATTCGGAGATGCG 20
Db 46 TAGGGATTCGGAGATGCG 65

RESULT 6
US-10-767-701-27172
; Sequence 27172; Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Plants and Other Molecules Associated With
; FILE REFERENCE: 38-21(5353)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; NUMBER OF SEQ ID NOS: 63128
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE: OTHER INFORMATION: Clone ID: 6674594
; US-10-767-701-27172

Query Match Score 77.1%; DB 17; Length 404;
Best Local Similarity 85.7%; Pred. No. 2.6e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGATTCGGAGATGCG 21
Db 60 TAGGGATTCGGAGATGCG 80

RESULT 7
US-10-767-701-12513/C
; Sequence 12513; Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; OTHER INFORMATION: Clone ID: SORBI-2BMAY03-CLOUS16581_1
; US-10-767-701-12513

Query Match Score 77.1%; DB 17; Length 1196;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGATTCGGAGATGCG 21
Db 94 TAGGGATTCGGAGATGCTA 74

RESULT 8
US-10-085-783A-27470
; Sequence 27470; Application US/10085783A
; Publication No. US200403784A1
; GENERAL INFORMATION
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C. C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 5894
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 27470
; LENGTH: 116
; TYPE: DNA
; ORGANISM: Human
; US-10-085-783A-27470

Query Match Score 75.2%; DB 13; Length 116;
Best Local Similarity 89.5%; Pred. No. 3.9e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 AGGGATTCGGAGATGCG 20
Db 40 AGGGATTCGGAGATGCG 58

RESULT 9
US-10-242-535A-27470
; Sequence 27470; Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C. C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
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PRIORITY APPLICATION NUMBER: US 60/275,017
PRIORITY FILING DATE: 2001-03-12
PRIORITY APPLICATION NUMBER: US 60/271,955
PRIORITY FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 58994
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 274/70
LENGTH: 116
TYPE: DNA
ORGANISM: Human
SEQUENCE: TAGGGATTGGGATTCG 20
          AGGGAGCCGGAGATGCG 58
          AGGGAGCCGGAGATGCG 58

SULT 10
Query Match Score 15.8%; DB 16; Length 116;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Query Match Score 15.8%; DB 9; Length 495;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
US-09-873-880-7

RESULT 11
US-09-873-880-7/C
Sequence 29, Application US/09873880
; Sequence 29, Application US/09873880
; Patent No. US20020123118A1
; GENERAL INFORMATION:
; APPLICANT: Sewalt, Vincent
; APPLICANT: Falco, S. Carl
; APPLICANT: Allen, Stephen M.
; TITLE OF INVENTION: GLYCINE METABOLISM ENZYMES
; FILE REFERENCE: BB1192 US CIP
; CURRENT APPLICATION NUMBER: US/09/873, 880
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 09/363,321
; PRIOR FILING DATE: July 28, 1999
; PRIOR APPLICATION NUMBER: 60/094,839
; PRIOR FILING DATE: July 31, 1998
; NUMBER OF SEQ ID NOS: 42
; SEQ ID NO: 29
; LENGTH: 1362
; TYPE: DNA
; ORGANISM: Glycine max
US-09-873-880-29/C

Query Match Score 15.8%; DB 9; Length 1362;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Query Match Score 15.8%; DB 9; Length 493;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
US-09-873-880-340

SULT 11
Query Match Score 15.8%; DB 16; Length 493;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Query Match Score 15.8%; DB 19; Length 414;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
US-09-873-880-340

RESULT 12
US-09-873-880-29/C
Sequence 29, Application US/09873880
; Sequence 29, Application US/09873880
; Patent No. US20020123118A1
; GENERAL INFORMATION:
; APPLICANT: Sewalt, Vincent
; APPLICANT: Falco, S. Carl
; APPLICANT: Allen, Stephen M.
; TITLE OF INVENTION: GLYCINE METABOLISM ENZYMES
; FILE REFERENCE: BB1192 US CIP
; CURRENT APPLICATION NUMBER: US/09/873, 880
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 09/363,321
; PRIOR FILING DATE: July 28, 1999
; PRIOR APPLICATION NUMBER: 60/094,839
; PRIOR FILING DATE: July 31, 1998
; NUMBER OF SEQ ID NOS: 42
; SEQ ID NO: 29
; LENGTH: 1362
; TYPE: DNA
; ORGANISM: Microsoft Office 97
; SOFTWARE: Microsoft Office 97
US-09-873-880-29

Query Match Score 15.8%; DB 9; Length 1362;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Query Match Score 15.8%; DB 20; Length 342;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
US-09-873-880-342

RESULT 13
US-10-124-599-125852/C
Sequence 125852, Application US/10424599
; Sequence 125852, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21 (53223) B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO: 125852
; LENGTH: 1519
; TYPE: DNA
; ORGANISM: Glycine max
; PRIORITY: 10424599

Query Match Score 15.8%; DB 20; Length 342;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Query Match Score 15.8%; DB 20; Length 342;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
US-10-124-599-125852/C

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OTHER INFORMATION: Clone ID: PAT_MRT3847_84653C.1
 US-10-424-599-125852
 Query Match 75.2%; Score 15.8; DB 13; Length 1519;
 Best Local Similarity 89.5%; Pred. No. 4.3e+02;
 Matches 17; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;
 Qy 2 AGGGGATTGGAGATTCGC 20
 Db 482 AGGGGATTGGAGGTGCG 464

RESULT 14
 US-10-311-455-364
 Sequence 364, Application US/10311455
 Publication No. US20030143606A1

GENERAL INFORMATION:

APPLICANT: OLEK, Al, Alexander

APPLICANT: PIEPENROCK, Christian

APPLICANT: BERLIN, Kurt

TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determ

FILE REFERENCE: 5013.1.01A

CURRENT FILING DATE: 2002-12-16

PRIOR APPLICATION NUMBER: PCT/EP01/07537

PRIOR FILING DATE: 2001-07-02

PRIOR APPLICATION NUMBER: DE 10032529.7

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: DE 10043826.1

PRIOR FILING DATE: 2000-09-01

NUMBER OF SEQ ID NOS: 2424

SEQ ID NO 364

LENGTH: 5546

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE: OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-311-455-364

OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

Query Match 75.2%; Score 15.8; DB 15; Length 5546;
 Best Local Similarity 89.5%; Pred. No. 4.6e+02;
 Matches 17; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 2 AGGGGATTGGAGATTCGC 20

Db 5406 AGGGGATTGGAGATTCGC 5424

RESULT 15
 US-10-311-507-92

Sequence 92, Application US/10311507
 Publication No. US20040115630A1

GENERAL INFORMATION:

APPLICANT: OLEK, Al, Alexander

APPLICANT: PIEPENROCK, Christian

APPLICANT: BERLIN, Kurt

TITLE OF INVENTION: Method and nucleic acids for the analysis of astrocytomas

FILE REFERENCE: 5013.1013

CURRENT APPLICATION NUMBER: US/10/311.507

PRIOR APPLICATION NUMBER: PCT/EP01/07538

PRIOR FILING DATE: 2001-07-02

PRIOR APPLICATION NUMBER: DE 10032529.7

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: DE 10043826.1

PRIOR FILING DATE: 2000-09-01
 SEQ ID NO 92
 LENGTH: 5546

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 ; US-10-311-507-92

Query Match 75.2%; Score 15.8; DB 17; Length 5546;
 Best Local Similarity 89.5%; Pred. No. 4.6e+02;
 Matches 17; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 2 AGGGGATTGGAGATTCGC 20

Db 5406 AGGGGATTGGAGATTCGC 5424

Search completed: September 16, 2004, 20:53:32
 Job time : 197.076 secs

This Page Blank (USPTO)

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 39.2977 Seconds
(without alignments)

310.678 Million cell updates/sec

Title: US-09-477-082-30
Perfect score: 22
Sequence: 1 cgtatatactacattcgaaaacgaa 22
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters:

1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing First 45 summaries

Database :

Issued Patents NA:
1: /cgn2_6/pctodata/2/ina/5A_COMB.seq:/*
2: /cgn2_6/pctodata/2/ina/5B_COMB.seq:/*
3: /cgn2_6/pctodata/2/ina/6A_COMB.seq:/*
4: /cgn2_6/pctodata/2/ina/6B_COMB.seq:/*
5: /cgn2_6/pctodata/2/ina/PCTUS_COMB.seq:/*
6: /cgn2_6/pctodata/2/ina/backfile1.seq:/*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15.6	70.9	720	4 US-09-134-000C-147	Sequence 147, APP
C 2	15.4	70.0	348	4 US-09-134-000C-1533	Sequence 1533, APP
C 3	15.2	69.1	999	4 US-09-134-000C-1178	Sequence 1178, APP
C 4	15.2	69.1	4212	4 US-09-221-017B-39	Sequence 39, APP
C 5	14.8	67.3	705	4 US-09-107-532A-2305	Sequence 2305, APP
C 6	14.8	67.3	1992	4 US-09-13-078-57	Sequence 57, APP
C 7	14.8	67.3	2019	4 US-09-221-017B-1034	Sequence 1034, APP
C 8	14.8	67.3	2043	4 US-09-134-078-11	Sequence 11, APP
C 9	14.8	67.3	2154	4 US-09-54-681A-1534	Sequence 1534, APP
C 10	14.8	67.3	2237	4 US-08-91-999-7	Sequence 7, APP
C 11	14.8	67.3	2694	3 US-08-226-264-25	Sequence 5, APP
C 12	14.8	67.3	2694	3 US-09-515-884-5	Sequence 5, APP
C 13	14.8	67.3	2948	2 US-08-46-79-379-23	Sequence 9, APP
C 14	14.8	67.3	5455	4 US-10-20-708-33	Sequence 33, APP
C 15	14.6	66.4	400	4 US-08-956-171E-3996	Sequence 3986, APP
C 16	14.6	66.4	469	3 US-09-228-152-23	Sequence 23, APP
C 17	14.6	66.4	469	1 US-08-46-347-23	Sequence 25, APP
C 18	14.6	66.4	469	1 US-08-46-389-25	Sequence 23, APP
C 19	14.6	66.4	469	2 US-08-770-379-23	Sequence 23, APP
C 20	14.6	66.4	469	2 US-08-46-219-23	Sequence 23, APP
C 21	14.6	66.4	469	3 US-09-228-152-23	Sequence 23, APP
C 22	14.6	66.4	476	4 US-09-621-976-15628	Sequence 15628, APP
C 23	14.6	66.4	630	4 US-09-636-215-633	Sequence 633, APP
C 24	14.6	66.4	630	4 US-09-681-166-633	Sequence 633, APP
C 25	14.6	66.4	780	4 US-09-134-001C-1631	Sequence 1631, APP
C 26	14.6	66.4	951	4 US-09-54-681A-2893	Sequence 2893, APP
C 27	14.6	66.4	1239	4 US-09-543-681A-4146	Sequence 4146, APP

RESULT 1
US-09-134-000C-147
; Sequence 147, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-012
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIORITY APPLICATION NUMBER: US 60/055,778
; PRIORITY FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 147
; LENGTH: 720
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
; US-09-134-000C-147

Query Match 70.9%; Score 15.6; DB 4; Length 720;
Best Local Similarity 81.8%; Pred. No. 93;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CGTATATCATCGAAACGA 22
Db 588 CGTAGATCATCTAAACCA 609

RESULT 2
US-09-956-171E-158/C
; Sequence 178, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850

COMPUTER READABLE FORM:
 COMPUTER MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
 COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MSDOS version 6.2
 SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/956,171B
 FILING DATE: 20-Oct-1997
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/009, 861
 FILING DATE: January 5, 1996
 APPLICATION NUMBER: 08/781,986
 FILING DATE: January 3, 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Mark J. Hyman
 REGISTRATION NUMBER: 46,789
 REFERENCE/DOCKET NUMBER: PB248P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (240) 314-1224
 TELEFAX: (301) 309-9439
 INFORMATION FOR SEQ ID NO: 1583:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 348 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 1583
 US-08-956-171B-1583

Query Match Score 15.4; DB 4; Length 348;
 Best Local Similarity 94.1%; Pred. No. 1.1e+02
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TATATCTAATTGAA 1.9
 Db 206 TATATCTAATTGAA 1.90

RESULT 3
 US-09-134-001C-1178/C
 Sequence 1178, Application US/09134001C

PATENT NO. 6380170
 GENERAL INFORMATION:
 APPLICANT: Lynn Doucette-Stamm et al
 TITLE OF INVENTION: NUCLEARIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS EPIDERMIS FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: GTC-007
 CURRENT APPLICATION NUMBER: US/09/134,001C
 CURRENT FILING DATE: 1998-08-13
 PRIOR APPLICATION NUMBER: US 60/064,964
 PRIOR FILING DATE: 1997-11-08
 PRIOR APPLICATION NUMBER: US 60/055,779
 PRIOR FILING DATE: 1997-08-14
 NUMBER OF SEQ ID NOS: 5674
 SEQ ID NO 1178
 LENGTH: 999
 TYPE: DNA
 ORGANISM: Staphylococcus epidermidis
 US-09-134-001C-1178

Query Match Score 15.2; DB 4; Length 999;
 Best Local Similarity 85.0%; Pred. No. 1.5e+02
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TATATCTAATTGAAACCA 22
 Db 508 TATATCTAATTGAAACCA 489

RESULT 4
 US-09-221-017B-39/C
 Sequence 39, Application US/09221017B

Query Match Score 15.2; DB 4; Length 4212;
 Best Local Similarity 85.0%; Pred. No. 1.7e+02
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TATATCTAATTGAAACCA 22
 Db 2978 TATATATAATTGAAACCA 2959

RESULT 5
 US-09-107-532A-2305
 Sequence 2305, Application US/09107532A
 PATENT NO. 6583215
 GENERAL INFORMATION:
 APPLICANT: Lynn A. Doucette-Stamm and David Bush
 TITLE OF INVENTION: NUCLEARIC ACID AND AMINO ACID SEQUENCES RELATING TO

ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 73:10

CORRESPONDENCE ADDRESS:

ADDRESSEE: GENOME THERAPEUTICS CORPORATION

STREET: 100 Beaver Street

CITY: Waltham

STATE: Massachusetts

COUNTRY: USA

ZIP: 02454

COMPUTER READABLE FORM:

COMPUTER: PC

OPERATING SYSTEM: <Unknown>

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A

FILING DATE: 30-Jun-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/085,598

FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Arinieillo, Pamela Deneke

REGISTRATION NUMBER: 40,439

REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-5007

TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 2305:

SEQUENCE CHARACTERISTICS:

LENGTH: 705 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Enterococcus faecium

FEATURE:

NAME/KEY: misc_feature

LOCATION: (B) LOCATION 1...705

SEQUENCE DESCRIPTION: SEQ ID NO: 2305:

US-09-107-532A-2305

Query Match

Best Local Similarity 88.9%

Pred. No. 2.3e+02

Length 705;

Matches 16; Conservative 0;

Mismatches 2;

Indels 0;

Gaps 0;

Qy 4 ATATCTACATTGAAACG 21

Db 311 ATATCGATATTGAAACG 328

RESULT 6

US-09-134-078-57

Sequence 57, Application US/09134078

Patent No. 636844

GENERAL INFORMATION:

APPLICANT: Bylina, Edward J.

TITLE OF INVENTION: GLYCOSIDASE ENYMES

NUMBER OF SEQUENCES: 72

CORRESPONDENCE ADDRESS:

ADDRESSEE: Gray Cary Ware & Freidenrich LLP

STREET: 4365 Executive Drive, Suite 1600

CITY: San Diego

STATE: CA

COUNTRY: USA

ZIP: 92121

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows95

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/134,078

FILING DATE: 13-AUG-1998

CLASSIFICATION:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/949,026

FILING DATE: 10-OCT-1997

APPLICATION NUMBER: 08/056,916

FILING DATE: 06-DEC-1996

ATTORNEY/AGENT INFORMATION:

NAME: Haili, Lisa A.

REGISTRATION NUMBER: 38,347

REFERENCE/DOCKET NUMBER: 09010/024002

TELECOMMUNICATION INFORMATION:

TELEPHONE: 858/677-1456

TELEFAX: 858/677-1456

INFORMATION FOR SEQ ID NO: 57:

SEQUENCE CHARACTERISTICS:

LENGTH: 1992 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: Genomic DNA

FEATURE:

NAME/KEY: Coding Sequence

LOCATION: 1...1989

US-09-134-078-57

Query Match

Best Local Similarity 67.3%

Pred. No. 2.5e+02

Length 1992;

Matches 16; Conservative 0;

Mismatches 2;

Indels 0;

Gaps 0;

Qy 4 ATATCTACATTGAAACG 21

Db 1703 ACATCATCATCCAAACG 1720

RESULT 7

US-09-221-017B-1034/C

Sequence 1034, Application US/09221017B

Patent No. 644479

GENERAL INFORMATION:

APPLICANT: Ross, Bruce C.

TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF

NUMBER OF SEQUENCES: 1,120

CORESPONDENCE ADDRESS:

ADDRESSEE: MORISON & FOERSTER

STREET: 755 PAGE MILL ROAD

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94304-1018

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatibile

OPERATING SYSTEM: Windows

SOFTWARE: FASTSEQ for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/221,017B

FILING DATE: 23-DEC-1998

CLASSIFICATION:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: PP1182

FILING DATE: 31-DEC-1997

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: PP1546

FILING DATE: 30-JAN-1998

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: PP2911

FILING DATE: 09-APR-1998

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: PCT/AU98/01023
FILED DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: Monroe, Gladys H.
REGISTRATION NUMBER: 32, 430
REPPRENTENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 700141.
SEQUENCE CHARACTERISTICS:
LENGTH: 2018 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1...-2018

RESULT 9
US-09-134-078-11
Query Match 67.3%; Score 14.8; DB 4;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2;
Indels 0; Gaps 0;

Qy 5 TATCTAATTGAAACGA 22
Db 1169 TATCGAACATTGATAAGA 1152

Query Match 67.3%; Score 14.8; DB 4;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2;
Indels 0; Gaps 0;

Qy 4 ATATCTACATTGAAACG 21
Db 1754 ACATCTACATTCACAAACG 1771

RESULT 9
US-09-543-681A-1534/C
Sequence 1534, Application US/09543681A
; Patent No. 6605759
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/126,706
; NUMBER OF SEQ ID NOS.: 8344
; SEQ ID NO. 1534
; LENGTH: 2154
; TYPE: DNA
; ORGANISM: Proteus mirabilis
US-09-543-681A-1534

Query Match 67.3%; Score 14.8; DB 4;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2;
Indels 0; Gaps 0;

Qy 1 CGTATATCTACATTGCAA 18
Db 191 CGGATATCGCATTCGAA 174

RESULT 10
US-09-134-078-11
Query Match 67.3%; Score 14.8; DB 4;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2;
Indels 0; Gaps 0;

Qy 1 CGTATATCTACATTGCAA 18
Db 191 CGGATATCGCATTCGAA 174

RESULT 10
US-09-14-999-7/c
Sequence 7, Application US/08914999
; Patent No. 6346406
; GENERAL INFORMATION:
; APPLICANT: Ryazanov, Alexey G.
; APPLICANT: Hait, William N.
; APPLICANT: Pavur, Karen S.
; TITLE OF INVENTION: ELONGATION FACTOR-2 KINASE (EF-2 KINASE)
; TITLE OF INVENTION: AND METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; STREET: Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/134,078
; FILING DATE: 13-AUG-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/949,026
; FILING DATE: 10-OCT-1997
; APPLICATION NUMBER: 60/056,916
; FILING DATE: 06-DEC-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Halle, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 09010/0240002
; TELECOMMUNICATION: 858/677-1456
; TELEFAX: 858/677-1465
; ATTORNEY FOR SEQ ID NO: 11
; SPOTENTCE CHARACTERISTICS:
; CURRENT APPLICATION DATA:
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

APPLICATION NUMBER: US/08/914,999
 FILING DATE: :
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Jackson Esq., David A.
 REGISTRATION NUMBER: 26,742
 REFERENCE DOCKET NUMBER: 601-1-078
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-343-1684
 FAX: 201-487-5800
 ORIGINAL SOURCE: NO
 ORGANISM: Dictyostelium discoideum

RESULT 11
 US-08-975-703-5
 / Sequence 5, Application US/08875703
 / Patent No. 6030832
 GENERAL INFORMATION:
 APPLICANT: Wong, Alexander K.C.
 ATTORNEY: Bartel, Paul L.
 APPLICANT: Teng, David H.-F.
 APPLICANT: Tavriqian, Sean V.
 TITLE OF INVENTION: A Carboxy-Terminal BRCA1 Interacting Protein
 NUMBER OF SEQUENCES: 41
 CORRESPONDENCE ADDRESS:
 ADDRESSSEE: Rothwell, Figg, Ernst & Kurz, P.C.
 STREET: 555 Thirteenth Street, N.W., Suite 701 East Tower
 CITY: Washington
 STATE: DC
 COUNTRY: U.S.A.
 ZIP: 20004

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/515,884
 FILING DATE: 29-Feb-2000
 PRIORITY NUMBER: US/08/914,999
 CLASSIFICATION: <Unknown>
 PRIORITY NUMBER: 08/914,999
 ATTORNEY/AGENT INFORMATION:
 NAME: Saxe, Stephen A.
 REGISTRATION NUMBER: 38,609
 REFERENCE/DOCKET NUMBER: 2318-0174
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-624-1589
 FAX: 202-783-6031
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Saxe, Stephen A.
 REGISTRATION NUMBER: 38,609
 REFERENCE/DOCKET NUMBER: 2318-0174
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-624-1589
 FAX: 202-783-6031
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2694 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear

SEQUENCE DESCRIPTION:
 LOCATION: 1..691
 SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-09-515-8884-5

Query Match 67.3%; Score 14.8; DB 3; Length 2694;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GTATATCPBATICGAAA 19
Dbs 1103 GTATATCTAGATTAGAA 1120

RESULT 13

US-09-075-460-9

Sequence 9 Application US/09075460A
Patent No. 6489136

GENERAL INFORMATION:

APPLICANT: Zervos, Antonis S.
TITLE OF INVENTION: CELL PROLIFERATION RELATED GENES

FILE REFERENCE: 1024/004001

CURRENT APPLICATION NUMBER: US/09/075, 460A
CURRENT FILING DATE: 1998-05-08
EARLIER APPLICATION NUMBER: US 60/046, 077
EARLIER FILING DATE: 1997-05-09

NUMBER OF SEQ ID NOS: 16
SEQ ID NO 9
LENGTH: 2948
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1) ... (2691)

Query Match 67.3%; Score 14.8; DB 4; Length 2948;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GTATATCTCATTCGAAA 19
Dbs 1103 GTATATCTAGATTAGAA 1120

RESULT 14

US-10-204-708-33/C

Sequence 33 Application US/10204708
Patent No. 6677131

GENERAL INFORMATION:

APPLICANT: OLEK, Alexander
APPLICANT: PIPENBROCK, Christian
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
TITLE OF INVENTION: by Assessing DNA Methylation

FILE REFERENCE: 5013.1012

CURRENT APPLICATION NUMBER: US/10/204, 708
CURRENT FILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: PC1EP01/03971
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-05-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 98
SEQ ID NO 33
LENGTH: 5455
TYPE: DNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

Query Match 67.3%; Score 14.8; DB 4; Length 5455;
Best Local Similarity 88.9%; Pred. No. 2.7e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 TATCPACATTGAAAGCA 22
Dbs 4853 TATTACCTCGAAACGA 4836

RESULT 15

US-08-956-171E-1986/C

Sequence 3986 Application US/08956171E
Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch
Gil H. Choi
Patrick S. Dillon
Craig A. Rosen
Steven C. Barash
Michael R. Fannon

TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256

CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/956,171E
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
REFERENCE/DOCKET NUMBER: EB248P1
REGISTRATION NUMBER: 46,789
NAME: Mark J. Human
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 3986:
SEQUENCE CHARACTERISTICS:
LENGTH: 400 base Pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3986:
US-08-956-171E-3986

Query Match 66.4%; Score 14.6%; DB 4; Length 400;
Best Local Similarity 81.0%; Pred. No. 2.7e+02;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 GTATATCTACATTGAAAGCA 22
Dbs 282 GCATCATACATTGAAACGA 262

Search completed: September 16, 2004, 16:26:41
Job time : 41.2977 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 195.985 Seconds

(without alignments)

566.594 Million cell updates/sec

Title: US-09-477-082-30

Perfect score: 22

Sequence: 1 cgtatatactacattcgaaacgca 22

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 252373180 residues

Total number of hits satisfying chosen parameters:

6654154

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0 %

Maximum Match 100 %

Listing first 45 summaries

Database :

Published Applications NA:*

1: /cggn2_6_ptodata/2/pubpna/us07_pubcomb.seq;*

2: /cggn2_6_ptodata/2/pubpna/bct_new_pub.seq;*

3: /cggn2_6_ptodata/2/pubpna/us06_new_pub.seq;*

4: /cggn2_6_ptodata/2/pubpna/us06_pubcomb.seq;*

5: /cggn2_6_ptodata/2/pubpna/us07_new_pub.seq;*

6: /cggn2_6_ptodata/2/pubpna/pctus_pubcomb.seq;*

7: /cggn2_6_ptodata/2/pubpna/us08_new_pub.seq;*

8: /cggn2_6_ptodata/2/pubpna/us08_pubcomb.seq;*

9: /cggn2_6_ptodata/2/pubpna/us09_new_pub.seq;*

10: /cggn2_6_ptodata/2/pubpna/us09_pubcomb.seq;*

11: /cggn2_6_ptodata/2/pubpna/us09c_pubcomb.seq;*

12: /cggn2_6_ptodata/2/pubpna/us09_new_pub.seq;*

13: /cggn2_6_ptodata/2/pubpna/us09_new_pub.seq;*

14: /cggn2_6_ptodata/2/pubpna/us10_pubcomb.seq;*

15: /cggn2_6_ptodata/2/pubpna/us10c_pubcomb.seq;*

16: /cggn2_6_ptodata/2/pubpna/us10_new_pub.seq;*

17: /cggn2_6_ptodata/2/pubpna/us10c_new_pub.seq;*

18: /cggn2_6_ptodata/2/pubpna/us60_new_pub.seq;*

19: /cggn2_6_ptodata/2/pubpna/us60_pubcomb.seq;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	17.2	78.2	2919	9 US-09-938-842A-2471	Sequence 2471, AP
2	17.2	78.2	2919	9 US-09-938-842A-2471	Sequence 2471, AP
3	17.2	78.2	9289	13 US-10-221-714A-223	Sequence 223, APP
4	17.2	78.2	151858	17 US-10-322-281-653	Sequence 653, APP
5	16.4	74.5	1349	17 US-10-466-531-1	Sequence 1, APP
6	16.2	73.6	599	13 US-10-027-632-22923	Sequence 229424,
7	16.2	73.6	599	13 US-10-027-632-22923	Sequence 229424,
8	16.2	73.6	599	16 US-10-027-632-22924	Sequence 229424,
9	16.2	73.6	599	16 US-10-027-632-22924	Sequence 229424,
10	16.2	73.6	846	13 US-10-283-122A-13705	Sequence 13705, A
11	16.2	73.6	894	15 US-10-365-493-28891	Sequence 28891, A
12	16.2	73.6	1439	17 US-10-433-963-35167	Sequence 35167, A
13	16.2	73.6	1857	16 US-10-369-493-29360	Sequence 29360, A
14	16.2	73.6	2909	15 US-10-128-714-168	Sequence 168, APP

RESULT 2

Sequence 5168, AP
 Sequence 16172, APP
 Sequence 1284, APP
 Sequence 70, APP
 Sequence 228022,
 Sequence 161722,
 Sequence 161722,
 Sequence 115264,
 Sequence 15, APP
 Sequence 228022,
 Sequence 662, APP
 Sequence 62, APP
 Sequence 2058, APP
 Sequence 21278, APP
 Sequence 2182, APP
 Sequence 228046,
 Sequence 224047,
 Sequence 224048,
 Sequence 224049,
 Sequence 224046,
 Sequence 224047,
 Sequence 224049,
 Sequence 224049,
 Sequence 224046,
 Sequence 224047,
 Sequence 224048,
 Sequence 224049,
 Sequence 20663, A
 Sequence 10560, A
 Sequence 1167, APP
 Sequence 4539, A
 Sequence 2486, APP
 ALIGNMENTS

RESULT 1

US-09-938-842A-2471 ; Sequence 2471, Application US/09938842A ; Patent No. US20030160378A1 ; GENERAL INFORMATION: ; APPLICANT: Harper, Jeff ; ATTORNEY: Krebs, Joel ; APPLICANT: Wang, Xun ; ATTORNEY: Zhu, Tong ; TITLE OF INVENTION: STRESS-SREGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING TITLE OF INVENTION: SAME, AND METHODS OF USE ; FILE REFERENCE: SCR1300-3 ; CURRENT APPLICATION NUMBER: US/09/938-842A ; CURRENT FILING DATE: 2001-08-24 ; PRIOR APPLICATION NUMBER: US 60/227,866 ; PRIOR FILING DATE: 2000-08-24 ; PRIOR APPLICATION NUMBER: US 60/264,647 ; PRIOR FILING DATE: 2001-01-16 ; PRIOR APPLICATION NUMBER: US 60/300,111 ; PRIOR FILING DATE: 2001-08-22 ; NUMBER OF SEQ ID NOS: 5379 ; SEQ ID NO: 2471 ; LENGTH: 2919 ; TYPE: DNA ; ORGANISM: Arabidopsis thaliana ; US-09-938-842A-2471

Query Match 78.2%; Score 17.2; DB 9; Length 2919;
 Best Local Similarity 86.4%; Pred. No. 6.1e+02; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CGTATCTCATTCGAAACGA 22
 Db 1918 CTTATATCTGCATTGAAACCA 1939

US-09-938-842A-2471
i Sequence 241, Application US/09938842A
i Publication No. US20040009476A9
GENERAL INFORMATION:
i APPLICANT: Harper, Jeff
i APPLICANT: Krepis, Joei
i APPLICANT: Wang, Xun
i TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING SAME, AND METHODS OF USE
i TITLE OF INVENTION: SCRTP1300-3
CURRENT APPLICATION NUMBER: US/09/938, 842A
CURRENT FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: US 60/227, 866
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US 60/264, 647
PRIOR FILING DATE: 2001-01-16
PRIOR FILING NUMBER: US 60/300, 111
SEQ ID NO OF SEQ ID NOS: 5379
LENGTH: 2919
TYPE: DNA
ORGANISM: Arabidopsis thaliana
US-09-938-842A-2471

Query Match 78.2%; Score 17.2; DB 11; Length 2919;
Best Local Similarity 86.4%; Pred. No. 6.1e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CGTATATCATTCGAAAGCA 22
Db 1918 CTTATATCGATTGAAAGCA 1939

RESULT 3
US-10-221-714A-223/C
i Sequence 223, Application US/10221714A
i Publication No. US20040048254A1
GENERAL INFORMATION:
i APPLICANT: OLEK, Alexander
i APPLICANT: PIEDENROCK, Christian
i APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with Tumor suppressor genes and oncogenes
FILE REFERENCE: 5013-1005
CURRENT APPLICATION NUMBER: US/10/221-714A
CURRENT FILING DATE: 2003-01-22
PRIOR APPLICATION NUMBER: PCT/EP01/02955
PRIOR FILING DATE: 2001-03-15
PRIOR APPLICATION NUMBER: DE 10013847.0
PRIOR FILING DATE: 2000-03-15
PRIOR APPLICATION NUMBER: DE 1.0019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 1.0019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 1.0032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 1.0043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 540
SEQ ID NO 223
LENGTH: 9289
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

Qy 1 CGTATATCATTCGAAAGCA 22
Db 5667 CATATATCATCCGAATCGA 5646

RESULT 4
US-10-322-281-653/C
i Sequence 653, Application US/10322281
i Publication No. US20040126762A1
GENERAL INFORMATION:
i APPLICANT: Marc S. Malandro
i TITLE OF INVENTION: Novel Compositions and Methods in Cancer
FILE REFERENCE: 529452001.000
CURRENT APPLICATION NUMBER: US/10/322, 281
CURRENT FILING DATE: 2002-12-17
NUMBER OF SEQ ID NOS: 866
SOFTWARE: FastS2Q for Windows Version 4.0
SEQ ID NO 653
LENGTH: 151858
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(151858)
OTHER INFORMATION: n = A,T,C or G

Qy 1 CGTATATCATTCGAAAGCA 22
Db 135534 CGTTATATCAGACTGGAAAGCA 135513

RESULT 5
US-10-466-531-18/C
i Sequence 18, Application US/10466531
i Publication No. US2004016650A1
GENERAL INFORMATION:
i APPLICANT: INCYTE CORPORATION; PANZER, Scott R.
i APPLICANT: LINCOLN, Stephen B.; AUTUS, Christina M.;
i APPLICANT: DUPOUR, Gerard E.; JACKSON, Jennifer L.;
i APPLICANT: JONES, Anissa L.; DAM, Tam C.;
i APPLICANT: LIU, Tommy F.; HARRIS, Bernard;
i APPLICANT: FLORES, Vincent Z.; DIAFO, Abel;
i APPLICANT: MARWAHA, Rakesh; CHEN, Alice J.;
i APPLICANT: CHANG, Simon C.; GERSTIN JR., Edward H.;
i APPLICANT: PERALTA, Careyna H.; DAVID, Marie H.;
i APPLICANT: LEWIS, Samantha A.
TITLE OF INVENTION: SECRETORY MOLECULES
FILE REFERENCE: PT-1216 USN
CURRENT APPLICATION NUMBER: US/10/466, 531
CURRENT FILING DATE: 2003-07-15
PRIOR APPLICATION NUMBER: PCT/US02/01340
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: US 60/261, 865
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/262, 599
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: US 60/263, 329
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: US 60/262, 209
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US 60/263, 131
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: US 60/262, 208
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US 60/262, 164
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US 60/263, 063

Query Match 78.2%; Score 17.2; DB 13; Length 9289;
Best Local Similarity 86.4%; Pred. No. 6.9e+02;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

PRIOR FILING DATE: 2001-01-19
 PRIOR APPLICATION NUMBER: US 60/261,864
 PRIOR FILING DATE: 2001-01-16
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 152
 SOFTWARE: PERL Program
 SEQ ID NO: 18
 LENGTH: 1349
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 OTHER INFORMATION: Incyte ID NO: LI:238576.2:2001JAN12
 FEATURE: unsure
 NAME/KEY: unsure
 LOCATION: 568,1179
 OTHER INFORMATION: a, t, c, g, or other
 US-10-466-331-18

Query Match 74.5%; Score 16.4%; DB 17; Length 1349;
 Best Local Similarity 94.4%; Pred. No. 1.3e+03; Indels 0; Gaps 0;
 Matches 17; Conservative 0; Mismatches 1; Other Information: n = A,T,C or G
 Qy 1 CGTATATCTACATTGAA 18
 Db 333 CATATCTACATTGAA 316

RESULT 6
 US-10-027-632-229423
 i Sequence 229423, Application US/10027632
 i Publication No. US20020198371A1
 i GENERAL INFORMATION
 i APPLICANT: Wang, David G.
 i TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 i TITLE OF INVENTION: Polymorphisms in the Human Genome
 i FILE REFERENCE: 108827.129
 i CURRENT APPLICATION NUMBER: US/10/027,632
 i CURRENT FILING DATE: 2000-04-30
 i PRIOR APPLICATION NUMBER: US 60/218,006
 i PRIOR FILING DATE: 2000-07-12
 i PRIOR APPLICATION NUMBER: US 60/198,676
 i PRIOR FILING DATE: 2000-04-20
 i PRIOR APPLICATION NUMBER: US 60/193,483
 i PRIOR FILING DATE: 2000-03-29
 i PRIOR APPLICATION NUMBER: US 60/185,218
 i PRIOR FILING DATE: 2000-02-24
 i PRIOR APPLICATION NUMBER: US 60/156,358
 i PRIOR FILING DATE: 1999-09-08
 i PRIOR APPLICATION NUMBER: US 60/146,002
 i PRIOR FILING DATE: 1999-08-09
 i NUMBER OF SEQ ID NOS: 325720
 i SOFTWARE: FastSEQ for Windows Version 4.0
 i SEQ ID NO: 229423
 i LENGTH: 599
 i TYPE: DNA
 i ORGANISM: Human
 i FEATURE:
 i NAME/KEY: misc_feature
 i LOCATION: (1)...(59)
 i OTHER INFORMATION: n = A,T,C or G
 US-10-027-632-229424

Query Match 73.6%; Score 16.2%; DB 13; Length 599;
 Best Local Similarity 85.7%; Pred. No. 1.5e+03; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 3; Other Information: n = A,T,C or G
 Qy 2 GTATCTACATTGAAAGCA 22
 Db 455 GAATCTCATATTGAAAGA 475
 SEQ ID NO: 229424
 LENGTH: 599
 TYPE: DNA
 ORGANISM: Human
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(59)
 OTHER INFORMATION: n = A,T,C or G
 US-10-027-632-229423

Query Match 73.6%; Score 16.2%; DB 13; Length 599;
 Best Local Similarity 85.7%; Pred. No. 1.5e+03; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 3; Other Information: n = A,T,C or G
 Qy 2 GTATCTACATTGAAAGCA 22
 Db 455 GAATCTCATATTGAAAGA 475
 RESULT 8
 US-10-027-632-229423
 i Sequence 229423, Application US/10027632
 i Publication No. US20020198371A9
 i GENERAL INFORMATION
 i APPLICANT: Wang, David G.
 i TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 i TITLE OF INVENTION: Polymorphisms in the Human Genome
 i FILE REFERENCE: 108827.129
 i CURRENT APPLICATION NUMBER: US/10/027,632
 i CURRENT FILING DATE: 2000-04-30
 i PRIOR APPLICATION NUMBER: US 60/218,006
 i PRIOR FILING DATE: 2000-01-12
 i PRIOR APPLICATION NUMBER: US 60/198,676
 i PRIOR FILING DATE: 2000-04-20
 i PRIOR APPLICATION NUMBER: US 60/156,358
 i PRIOR FILING DATE: 2000-02-29
 i PRIOR APPLICATION NUMBER: US 60/185,218
 i PRIOR FILING DATE: 2000-02-24
 i PRIOR APPLICATION NUMBER: US 60/167,363
 i PRIOR FILING DATE: 1999-01-23
 i PRIOR APPLICATION NUMBER: US 60/156,358
 i PRIOR APPLICATION NUMBER: US 60/146,002
 i PRIOR FILING DATE: 1999-08-09
 i NUMBER OF SEQ ID NOS: 325720
 i SOFTWARE: FastSEQ for Windows Version 4.0
 i SEQ ID NO: 229423
 i LENGTH: 599
 i TYPE: DNA
 i ORGANISM: Human
 i FEATURE:
 i NAME/KEY: misc_feature
 i LOCATION: (1)...(59)
 i OTHER INFORMATION: n = A,T,C or G
 US-10-027-632-229423

SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 229423
 LENGTH: 399
 TYPE: DNA
 ORGANISM: Human
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(59)
 OTHER INFORMATION: n = A,T,C or G
 US-10-027-632-229423

RESULT 9
 US-10-027-632-229424
 Sequence 229424, Application US/10027632
 Publication No. US20030204075A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108327-129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 229424
 LENGTH: 399
 TYPE: DNA
 ORGANISM: Human
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(59)
 OTHER INFORMATION: n = A,T,C or G
 US-10-027-632-229424

Query Match 73.6%; Score 16.2; DB 16;
 Best Local Similarity 85.7%; Pred. No. 1.5e+03;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GTATATCTACATTGAAAGCA 22
 Db 455 GAATATCTACATTGAAAGCA 475

RESULT 10
 US-10-282-1122A-13705/c
 Sequence 13705, Application US/10282122A
 Publication No. US20040029129A1
 GENERAL INFORMATION:
 APPLICANT: Zamudio, Carlos
 APPLICANT: Wang, Liangsu
 APPLICANT: Zamudio, Carlos

Query Match 73.6%; Score 16.2; DB 16;
 Best Local Similarity 85.7%; Pred. No. 1.5e+03;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GTATATCTACATTGAAAGCA 22
 Db 455 GAATATCTACATTGAAAGCA 475

RESULT 11
 US-10-363-493-28891
 Sequence 28891, Application US/10369493
 Publication No. US20030233675A1
 GENERAL INFORMATION:
 APPLICANT: Cao, Yongwei
 APPLICANT: Hinkie, Gregory J.
 APPLICANT: Slater, Steven C.
 APPLICANT: Goldman, Barry S.
 APPLICANT: Chen, Xianfeng
 APPLICANT: Goldman, Barry S.
 TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
 FILE REFERENCE: 38-10(52052)B
 CURRENT APPLICATION NUMBER: US/10/369,493
 CURRENT FILING DATE: 2003-02-28
 PRIOR APPLICATION NUMBER: US 60/360,039
 PRIOR FILING DATE: 2002-02-21
 NUMBER OF SEQ ID NOS: 47374
 SEQ ID NO: 28891
 LENGTH: 894
 TYPE: DNA

ORGANISM: Caenorhabditis elegans
us-10-369-493-28891

Query Match Score 73.6%; Pred. No. 1.5e+03; Length 894; Best Local Similarity 85.7%; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GTATATCTACATTGAAACGA 22
Db 280 GAAATTACATTGAAACGA 300

RESULT 12
US-10-437-963-35167
Sequence 35167, Application US/10437963
Publication No. US2004023343A1
GENERAL INFORMATION
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalec, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukhatov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With Title of Invention: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 35167
LENGTH: 1439
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_39112C-1
us-10-437-963-35167

Query Match Score 73.6%; Pred. No. 1.6e+03; Length 1439; Best Local Similarity 85.7%; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGTATATCTACATTGAAACG 21
Db 714 CGTATATACATCGAAACG 734

RESULT 13
US-10-369-493-29360
Sequence 29360, Application US/10369493
Publication No. US20030233675A1
GENERAL INFORMATION
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES FILE REFERENCE: 38-1-0(52052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIOR APPLICATION NUMBER: US 60/360,039
PRIOR FILING DATE: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
SEQ ID NO 29360
LENGTH: 1857
TYPE: DNA
ORGANISM: Caenorhabditis elegans
us-10-369-493-29360

Query Match Score 73.6%; Pred. No. 1.6e+03; Length 1857; Best Local Similarity 85.7%; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GTATATCTACATTGAAACGA 22
Db 253 GTATATCTACATTGAAACGA 273

RESULT 14
US-10-128-714-168/C
Sequence 168, Application US/10128714
Publication No. US20030119013A1
GENERAL INFORMATION
APPLICANT: Jiang, Bo
APPLICANT: Hu, Wendi
APPLICANT: Tishkoff, Daniel
APPLICANT: Zamudio, Carlos
APPLICANT: Eroshkin, Alexey M.
APPLICANT: Lemieux, Sébastien M.
TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and Title of Invention: Methods of Use
FILE REFERENCE: 10182-018-999
CURRENT APPLICATION NUMBER: US/10/128,714
CURRENT FILING DATE: 2002-04-23
PRIORITY APPLICATION NUMBER: US 60/285,697
PRIOR FILING DATE: 2001-04-23
PRIORITY APPLICATION NUMBER: US 60/287,066
PRIOR FILING DATE: 2001-04-27
PRIORITY APPLICATION NUMBER: US 60/295,890
PRIOR FILING DATE: 2001-06-05
PRIORITY APPLICATION NUMBER: US 60/303,899
PRIOR FILING DATE: 2001-07-09
PRIORITY APPLICATION NUMBER: US 60/316,362
PRIOR FILING DATE: 2001-08-31
NUMBER OF SEQ ID NOS: 8603
SOFTWARE: PatentIn version 3.1
SEQ ID NO 168
LENGTH: 2809
TYPE: DNA
ORGANISM: Aspergillus fumigatus
us-10-128-714-168

Query Match Score 73.6%; Pred. No. 1.7e+03; Length 2909; Best Local Similarity 85.7%; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGTATATCTACATTGAAACG 21
Db 2061 CCTATGCCATTCGAAAG 2041

RESULT 15
US-10-128-714-5168/C
Sequence 5168, Application US/10128714
Publication No. US20030119013A1
GENERAL INFORMATION
APPLICANT: Jiang, Bo
APPLICANT: Hu, Wendi
APPLICANT: Tishkoff, Daniel
APPLICANT: Zamudio, Carlos
APPLICANT: Eroshkin, Alexey M.
APPLICANT: Lemieux, Sébastien M.
TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and Title of Invention: Methods of Use
FILE REFERENCE: 10182-018-999
CURRENT APPLICATION NUMBER: US/10/128,714
CURRENT FILING DATE: 2002-04-23
PRIORITY APPLICATION NUMBER: US 60/285,697
PRIOR FILING DATE: 2001-04-23
PRIORITY APPLICATION NUMBER: US 60/287,066
PRIOR FILING DATE: 2001-04-27
PRIORITY APPLICATION NUMBER: US 60/295,890
PRIOR FILING DATE: 2001-06-05

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    ; PRIOR APPLICATION NUMBER: US 60/303,899
    ; PRIOR FILING DATE: 2001-07-09
    ; PRIOR APPLICATION NUMBER: US 60/316,362
    ; PRIOR FILING DATE: 2001-08-31
    ; NUMBER OF SEQ ID NOS: 8603
    ; SOFTWARE: PatentIn version 3.1
    ; SEQ ID NO: 5168
    ; LENGTH: 3224
    ; TYPE: DNA
    ; ORGANISM: Aspergillus fumigatus
    ; US-10-128-714-5168

Query Match      Score 16.2; DB 15; Length 3224;
Best Local Similarity 85.7%; Prd. No. 1.7e+03;
Matches 18; Conservative 0; Mismatches 3;
          Indels 0; Gaps 0;

Qy   1 CGTATATCTACATTGAAACG 21
Db   2376 CTTATTGGCTACATTGAAACG 2356
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Search completed: September 16, 2004, 20:53:37
Job time : 200.985 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds

(without alignments)
31.0.678 Million cell updates/sec

Title: US-09-477-082-31
Perfect score: 21

Sequence: 1 tagggatttggaggattgtga 21

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:
 1: /sgn2_/_ptodata/2/ina/5A_COMB.seq;
 2: /sgn2_/_ptodata/2/ina/5B_COMB.seq;
 3: /sgn2_/_ptodata/2/ina/6A_COMB.seq;
 4: /sgn2_/_ptodata/2/ina/6B_COMB.seq;
 5: /sgn2_/_ptodata/2/ina/PTC5.COMB.seq;*
 6: /sgn2_/_ptodata/2/ina/backfile1.seq;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	16.8	80.0	168575	4	US-09-426-290-1
c	2	16.2	77.1	201	4 US-09-10-532-337
c	3	15.8	75.2	1664976	4 US-09-54-682-323
c	4	15.8	75.2	1664976	4 US-08-916-421B-1
c	5	15.2	72.4	348	4 US-09-70-705-182
c	6	15.2	72.4	348	4 US-09-736-457-1382
c	7	15.2	72.4	348	4 US-09-61-124B-132
c	8	15.2	72.4	348	4 US-09-67-325-1382
c	9	15.2	72.4	481	4 US-09-33-933-46
c	10	15.2	72.4	481	4 US-09-215-681-46
c	11	15.2	72.4	481	4 US-09-21-302-46
c	12	15.2	72.4	481	4 US-09-21-302-46
c	13	15.2	72.4	864	4 US-09-32-352-2079
c	14	15.2	72.4	872	4 US-09-016-434-6
c	15	15.2	72.4	3113	2 US-08-99-228-20
c	16	15.2	72.4	3240	3 US-09-262-773-7
c	17	15.2	72.4	3244	3 US-09-262-773-3
c	18	15.2	72.4	3264	3 US-09-262-773-5
c	19	15.2	72.4	3268	3 US-09-262-773-1
c	20	15.2	72.4	3771	1 US-07-877-280-5
c	21	15.2	72.4	3771	1 US-08-04-783-1
c	22	15.2	72.4	3771	1 US-08-15-232-5
c	23	15.2	72.4	3771	1 US-08-30-626-5
c	24	15.2	72.4	3771	1 US-08-316-301A-5
c	25	15.2	72.4	3771	1 US-08-61-928-4
c	26	15.2	72.4	3771	3 US-09-17-891-5
c	27	15.2	72.4	3771	3 US-09-076-137-5

ALIGNMENTS

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c 28 15.2 72.4 3771 4 US-09-738-363-5
c 29 15.2 72.4 3771 5 PCT-US92-03624-5
c 30 15.2 72.4 5304 4 US-09-023-655-664
c 31 15.2 72.4 5849 3 US-09-134-246-6
c 32 15.2 72.4 20137 3 US-09-262-773-206
c 33 15.2 72.4 20138 3 US-09-262-773-210
c 34 15.2 72.4 23071 3 US-09-262-773-210
c 35 15.2 72.4 129908 4 US-09-585-858-1
c 36 15.2 72.4 152331 3 US-09-128-155-16
c 37 15.2 72.4 176373 3 US-09-128-155-17
c 38 15.2 72.4 193303 4 US-09-497-855-37
c 39 15.2 72.4 193303 4 US-09-497-855A-4
c 40 15.2 72.4 202001 4 US-09-734-674-3
c 41 14.8 70.5 22 3 US-09-262-773-187
c 42 14.8 70.5 461 4 US-09-621-976-3296
c 43 14.8 70.5 543 4 US-09-221-017B-681
c 44 14.8 70.5 1340 4 US-09-000-062-2
c 45 14.8 70.5 1340 4 US-09-000-062-4

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RESULT 1
US-09-426-290-1
; Sequence 1, Application US/09426290
; Patent No. 6410712
; GENERAL INFORMATION:
; APPLICANT: Berglind Ran Olafsdottir
; TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
; FILE REFERENCE: 2345-2001-000
; CURRENT APPLICATION NUMBER: US/09/426,290
; CURRENT FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 1
; LENGTH: 168575
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (21181) ... (21403)
; NAME/KEY: CDS
; LOCATION: (95252) ... (95430)
; NAME/KEY: CDS
; LOCATION: (101753) ... (101996)
; NAME/KEY: CDS
; LOCATION: (11024) ... (110439)
; NAME/KEY: CDS
; LOCATION: (124058) ... (124278)
; NAME/KEY: CDS
; LOCATION: (127009) ... (127130)
; NAME/KEY: CDS
; LOCATION: (128910) ... (129139)
; NAME/KEY: CDS
; LOCATION: (12910) ... (129139)
; QUERY Match 80.0%; Score 16.8%; DB 4; Length 168575;
; Best Local Similarity 90.0%; Mismatches 0; Indels 0; Gaps 0;
; QY 2 AGGGATTGGAGATGTGA 21
; Db 29456 AGGGATTGGAGATGTGA 29475
; RESULT 2
US-09-107-532A-337/c
; Sequence 337, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO
;
```

NUMBER OF SEQUENCES: 7310
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: GENOME THERAPEUTICS CORPORATION
 STREET: 100 Beaver Street
 CITY: Waltham
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02434
 COMPUTER READABLE FORM:
 MEDIUM TYPE: CD/ROM ISO9660
 COMPUTER: PC
 OPERATING SYSTEM: <Unknown>
 SOFTWARE: ASCII
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/107,532A
 FILING DATE: 30-Jun-1998
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 60/085,598
 FILING DATE: 14 May 1998
 APPLICATION NUMBER: 60/051571
 FILING DATE: July 2, 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Ariniello, Pamela Deneke
 REGISTRATION NUMBER: 40 A89
 REFERENCE/DOCKET NUMBER: GTC-012
 TELEPHONE: (781) 893-5007
 TELEFAX: (781) 893-8277
 INFORMATION FOR SEQ ID NO: 337:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 201 base pairs
 STRANDEDNESS: double-e
 TOPOLOGY: circular
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Enterococcus faecium
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (B) LOCATION 1..201
 SEQUENCE DESCRIPTION: SEQ ID NO: 337:
 US-09-107,532A-337

Query Match 77.1%; Score 16.2%; DB 4; Length 201;
 Best Local Similarity 85.7%; Pred. No. 1.1e+02;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGATGGAGATTGCA 21
 Db 161 TAGGAAGTGGAGATTGCA 141

RESULT 3
 US-09-543-681A-323
 / Sequence 323; Application US/09543681A
 / Patent No. 6605709
 / GENERAL INFORMATION:
 / APPLICANT: GARY BRETON
 / TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
 / TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
 / FILE REFERENCE: 2709-1002-001
 / CURRENT APPLICATION NUMBER: US/09/543,681A
 / CURRENT FILING DATE: 2000-04-05
 / PRIOR APPLICATION NUMBER: US 60/128,706
 / PRIOR FILING DATE: 1999-04-09
 / NUMBER OF SEQ ID NOS: 8344
 / LENGTH: 987
 / SEQ ID NO 323
 / TYPE: DNA
 / ORGANISM: Proteus mirabilis

US-09-543-681A-323
 / Sequence 1; Application US/08916421B
 / Patent No. 6503729
 / GENERAL INFORMATION:
 / APPLICANT: Built et al.
 / TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus jannaschii
 / Patent No. 6503729
 / TITLE OF INVENTION: jannaschii
 / FILE REFERENCE: PB275
 / CURRENT APPLICATION NUMBER: US/08/916,421B
 / CURRENT FILING DATE: 1997-08-22
 / PRIOR APPLICATION NUMBER: US 60/024,428
 / PRIOR FILING DATE: 1996-08-22
 / NUMBER OF SEQ ID NOS: 3
 / SEQ ID NO: 1
 / LENGTH: 1664976
 / TYPE: DNA
 / ORGANISM: Methanococcus jannaschii
 / FEATURE:
 / NAME/KEY: misc feature
 / LOCATION: (2822) .. (28222)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (2825) .. (28258)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (28475) .. (284773)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (84808) .. (84808)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (84812) .. (84812)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (98120) .. (98120)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (98159) .. (98159)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (98239) .. (98239)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (98266) .. (98266)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (103978) .. (103998)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (148948) .. (148948)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (163185) .. (163385)
 / OTHER INFORMATION: n equals a, t, c, or g
 / NAME/KEY: misc feature
 / LOCATION: (191989) .. (191989)

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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (19195) ..(19195)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (231980) ..(231980)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234187) ..(234187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234220) ..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234814) ..(234814)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (30938) ..(30938)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309418) ..(309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312837) ..(312837)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312993) ..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (319226) ..(319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559167) ..(559167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559241) ..(559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (600992) ..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (674435) ..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (682442) ..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (713652) ..(713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (741684) ..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779455) ..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779676) ..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (855539) ..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (871619) ..(871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1084830) ..(1084830)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1119881) ..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1130881) ..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (11313224) ..(11313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1310988) ..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1313224) ..(1313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473) ..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491) ..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1470091) ..(1470091)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1569020) ..(1569020)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1602912) ..(1602912)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1603734) ..(1603734)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1637998) ..(1637998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1664854) ..(1664855)
OTHER INFORMATION: n equals a, t, c, or g
US -08-916-42-B-1

RESULT 5
US-09-705-11382-C
; Sequence 138 , Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Lodes, Michael A.
; APPLICANT: Ranger, Gary
; APPLICANT: Vedrick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Rettner, Marc
; APPLICANT: Mainion, Jane
; APPLICANT: Fan, Lijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121-478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
;
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SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 1382
 LENGTH: 348
 TYPE: DNA
 ORGANISM: Homo sapien
 US-09-702-705-1382

Query Match 72.4%; Score 15.2; DB 4; Length 348;
 Best Local Similarity 85.0%; Prod. No. 3.2e+02;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Qy 2 AGGGATTTGGAGATTGGA 21
 Db 316 AGGGCCTTGGAGATTCTGA 297

RESULT 6
 US-09-736-457-1382/c
 / Sequence 1382, Application US/09736457

GENERAL INFORMATION:
 / APPLICANT: Wang, Tongtong
 / APPLICANT: Bangur, Chaitanya S.
 / APPLICANT: Lodes, Michael A.
 / APPLICANT: Fanger, Gary
 / APPLICANT: Vedwick, Tom
 / APPLICANT: Carter, Darrick
 / APPLICANT: Reiter, Marc
 / APPLICANT: Mannion, Jane
 / APPLICANT: Fan, Liqun
 / APPLICANT: Wang, Ajun
 / TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 / DIAGNOSIS OF LUNG CANCER
 / FILE REFERENCE: 210121.478C15
 / CURRENT APPLICATION NUMBER: US/09/736,457
 / CURRENT FILING DATE: 2000-12-13
 / NUMBER OF SEQ ID NOS: 1864
 / SOFTWARE: FastSEQ for Windows Version 3.0
 / SEQ ID NO 1382
 / LENGTH: 348
 / TYPE: DNA
 / ORGANISM: Homo sapien
 US-09-736-457-1382

Query Match 72.4%; Score 15.2; DB 4; Length 348;
 Best Local Similarity 85.0%; Prod. No. 3.2e+02;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Qy 2 AGGGATTTGGAGATTGGA 21
 Db 316 AGGGCCTTGGAGATTCTGA 297

RESULT 7
 US-09-614-124B-1382/c
 / Sequence 1382, Application US/09614124B

GENERAL INFORMATION:
 / APPLICANT: Wang, Tongtong
 / APPLICANT: Bangur, Chaitanya S.
 / APPLICANT: Lodes, Michael A.
 / APPLICANT: Fanger, Gary
 / APPLICANT: Vedwick, Tom
 / APPLICANT: Carter, Darrick
 / APPLICANT: Reiter, Marc
 / APPLICANT: Mannion, Jane
 / TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 / DIAGNOSIS OF LUNG CANCER
 / FILE REFERENCE: 210121.478C15
 / CURRENT APPLICATION NUMBER: US/09/614,124B
 / CURRENT FILING DATE: 2001-07-11
 / NUMBER OF SEQ ID NOS: 1658
 / SOFTWARE: FastSEQ for Windows Version 3.0

Query Match 72.4%; Score 15.2; DB 4; Length 481;
 US-09-404-87A-46
 / Sequence 46, Application US/0940487A
 / Patent No. 646846
 / GENERAL INFORMATION:
 / APPLICANT: Mitcham, Jennifer L.
 / APPLICANT: King, Gordon E.
 / APPLICANT: Algate, Paul A.
 / TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 / DIAGNOSIS OF OVARIAN CANCER
 / FILE REFERENCE: 210121.462C2
 / CURRENT APPLICATION NUMBER: US/09/404,879A
 / CURRENT FILING DATE: 1999-09-24
 / NUMBER OF SEQ ID NOS: 393
 / SOFTWARE: FastSEQ for Windows Version 3.0
 / SEQ ID NO 46
 / LENGTH: 481
 / TYPE: DNA
 / ORGANISM: Homo sapien
 US-09-404-87A-46

Best Local Similarity 85.0%; Pred. No. 3.3e+02; Mismatches 3; Indels 0; Gaps 0;
Matches 17; Conservative 0;

Qy 1 TAGGGATTTGGAGATTGTG 20
Db 117 TAGGCTATTGGAGATGGT 98

RESULT 10
US-09-338-933-46/C
; Sequence 46, Application US/09338933
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer Lynn
; PATENT NO.: 6488931
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER
; NUMBER OF SEQ ID NOS: 310
; CURRENT APPLICATION NUMBER: US/09/338-933
; CURRENT FILING DATE: 1999-06-23
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 46
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-338-933-46/C
Query Match 72.4%; Score 15.2; DB 4; Length 481;
Best Local Similarity 85.0%; Pred. No. 3.3e+02; Mismatches 3; Indels 0; Gaps 0;
Matches 17; Conservative 0;

Qy 1 TAGGGATTTGGAGATTGTG 20
Db 117 TAGGCTATTGGAGATGGT 98

RESULT 11
US-09-215-681-46/C
; Sequence 46, Application US/09215681A
; Patent No. 6528253
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
; NUMBER OF SEQ ID NOS: 310
; CURRENT APPLICATION NUMBER: US/09/215, 681A
; CURRENT FILING DATE: 1998-12-17
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 46
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-215-681-46/C
Query Match 72.4%; Score 15.2; DB 4; Length 481;
Best Local Similarity 85.0%; Pred. No. 3.3e+02; Mismatches 3; Indels 0; Gaps 0;
Matches 17; Conservative 0;

Qy 1 TAGGGATTTGGAGATTGTG 20
Db 117 TAGGCTATTGGAGATGGT 98

RESULT 12
US-09-216-003A-46/C
; Sequence 46, Application US/09216003A
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.

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APPLICATION NUMBER: US/09/016,434
FILING DATE: HEREWITH
CLASSIFICATION:
APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 845-4166
TELEFAX: (650) 845-4166
SEQUENCE CHARACTERISTICS:
LENGTH: 872 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: THP:PLB01
CLONE: 011615
US-09-016-434-6

Query Match      72.4%;  Score 15.2;  DB 4;  Length 872;
Best Local Similarity 85.0%;  Pred. No. 3.5e+02;
Matches 17;  Conservative 0;  Mismatches 3;  Indels 0;  Gaps 0;

QY          2 AGGGATTTGGAGATTGGA 21
Db          407 AGGGATTTGGAGCTGGA 426

Search completed: September 16, 2004, 16:26:47
Job time : 43.5115 secs
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SEQUENCE CHARACTERISTICS:
LENGTH: 3113 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-933-228-20

Query Match      72.4%;  Score 15.2;  DB 2;  Length 3113;
Best Local Similarity 85.0%;  Pred. No. 4e+02;
Matches 17;  Conservative 0;  Mismatches 3;  Indels 0;  Gaps 0;

QY          2 AGGGATTTGGAGATTGGA 21
Db          407 AGGGATTTGGAGCTGGA 426

Search completed: September 16, 2004, 16:26:47
Job time : 43.5115 secs
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RESULT 15
US-08-933-228-20
Sequence 20, Application US/08993228
Patent No. 5916838
GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
APPLICANT: McCoy, John M.
APPLICANT: LaValle, Edward R.
APPLICANT: Racine, Liss A.
APPLICANT: Merberg, David
APPLICANT: Tracy, Maurice
APPLICANT: Spaulding, Vicki
APPLICANT: Agostino, Michael J.
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
TITLE OF INVENTION: ENCODING THEM
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: MA
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ParentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/993,228
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 20
;
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GenCore version 5.1.6
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OM nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 187.076 Seconds

(without alignments)
 566.594 Million cell updates/sec

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 Post-processing: Minimum Match 10%
 Maximum Match 100%
 Listing First 45 summaries

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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	18.4	87.6	5518	15	US-10-240-452-18	Sequence 18, App	
3	17.8	84.8	4369	16	US-10-108-260A-1401	Sequence 1401, App	
4	17.8	84.8	9810	16	US-10-115-831-118	Sequence 118, App	
5	17.8	84.8	13377	13	US-10-121-714A-197	Sequence 197, App	
6	17.8	84.8	13377	15	US-10-311-455-1435	Sequence 1435, App	
7	17	81.0	16914	13	US-10-221-613-214	Sequence 214, App	
8	16.8	80.0	356	13	US-10-424-539-1023	Sequence 1023, App	
C	9	16.8	80.0	551	15	US-10-029-386-9317	Sequence 9317, App
C	10	16.8	80.0	551	17	US-10-021-323-1512	Sequence 13512, App
C	11	16.8	80.0	642	13	US-10-020-632-25018	Sequence 25018, App
C	12	16.8	80.0	642	16	US-10-022-632-250518	Sequence 250518, App
C	13	16.8	80.0	642	16	US-10-027-632-250519	Sequence 250519, App

ALIGNMENTS

RESULT 1
 US-10-311-455-190
 ; Sequence 190, Application US-10311455
 ; Publication No. US20030143606A1
 ; GENERAL INFORMATION:
 ; APPLICANT: OLEK, Alexander
 ; ATTORNEY: PETERENBROCK, Christian
 ; APPLICANT: BERLIN, Kurt
 ; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determination of Invention: cytosine methylation
 ; FILE REFERENCE: 5013.1014
 ; CURRENT APPLICATION NUMBER: US-10/311-455
 ; CURRENT FILING DATE: 2002-12-16
 ; PRIOR APPLICATION NUMBER: PCT/EP01/07537
 ; PRIOR FILING DATE: 2001-07-02
 ; PRIOR APPLICATION NUMBER: DE 10032529-7
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR APPLICATION NUMBER: DE 10043826-1
 ; NUMBER OF SEQ ID NOS: 2424
 ; SEQ ID NO 190
 ; LENGTH: 5518
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 US-10-311-455-190
 Query Match Score 87.6%; Best Local Similarity 95.0%; Matches 19; Conservative 0; Mismatches 0; Indels 1; Gaps 0;
 Qy 1 TAGGGATTTGGAGATTGTG 20
 Db 46 TAGGGATTTGGAGATTGTG 65

RESULT 2
US-10-240-452-18
; Sequence 18, Application US/10240452
; Publication No. US20030162194A1
; GENERAL INFORMATION:
; APPLICANT: OLER, Alexander
; APPLICANT: PLEPENROCK, Christian
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Apoptosis
; CURRENT APPLICATION NUMBER: US/10/240,452
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03969
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 78
SEQ ID NO 18
; LENGTH: 5518
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-452-18

Query Match 87.6%; Score 18.4; DB 15; Length 5518;
Best Local Similarity 95.0%; Pred. No. 91; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TAGGGGATGGAGATTG 20
Db 46 TAGGGGATGGAGATTG 65

RESULT 3
US-10-108-260A-1401
; Sequence 1401, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1401
; LENGTH: 4369
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-1401

Query Match 84.8%; Score 17.8; DB 16; Length 4369;
Best Local Similarity 90.5%; Pred. No. 1.7e+02; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGGATGGAGATTG 21
Db 1369 TAGGGCTTGGAGATTG 1389

RESULT 4
US-10-115-831-118
; Sequence 118, Application US/10115831
; Publication No. US20030219743A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 792C1P2ADIV
; CURRENT APPLICATION NUMBER: US/10/115,831
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/667,298
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/577,408
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 178
; SOFTWARE: pt_FL_genes Version 2.0
SEQ ID NO 118
; LENGTH: 9870
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (3442)..(9390)
US-10-115-831-118

Query Match 84.8%; Score 17.8; DB 16; Length 9870;
Best Local Similarity 90.5%; Pred. No. 1.9e+02; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGGATGGAGATTG 21

RESULT 5
US-10-221-714B-197
; Sequence 197, Application US/10221714A
; Publication No. US200404254A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PLEPENROCK, Christian
; APPLICANT: BERLIN, Kurt
; APPLICANT: Diagnosis of Diseases Associated with tumor suppressor genes and oncogenes
; TITLE OF INVENTION: tumor suppressor genes and oncogenes
; FILE REFERENCE: 5013-1005
; CURRENT APPLICATION NUMBER: US/10/221,714A
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: PCT/EP01/02955
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: DE 10013847.0
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032229.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 540
SEQ ID NO 197
; LENGTH: 13377
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-714A-197

Query Match 84.8%; Score 17.8; DB 13; Length 13377;
Best Local Similarity 90.5%; Pred. No. 1.9e+02; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGGATGGAGATTG 21

Db 1704 TAAGGGATTGGAGATGTTA 1724

RESULT 6
US-10-311-455-1435
; Sequence 1435, Application US/10311455
GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determination of Cytosine methylation
FILE REFERENCE: 5013_1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529,7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826,1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 1435
LENGTH: 13377
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: chemically treated genomic DNA (Homo sapiens)
OTHER INFORMATION:
US-10-311-455-1435

Query Match Score 17.8%; DB 15; Length 13377;
Best Local Similarity 90.5%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGATTGGAGATGTTA 21
Db 1704 TAAGGGATTGGAGATGTTA 1724

RESULT 7
US-10-221-613-214
; Sequence 214, Application US/10221613
; Publication No. US20040029123A1
GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle
FILE REFERENCE: 5013_1004
CURRENT APPLICATION NUMBER: US/10/221,613
CURRENT FILING DATE: 2002-09-13
PRIOR APPLICATION NUMBER: PCT/EP01/029455
DE 10013847,00
DE 10019058,8
DE 10019173,8
DE 10032529,7
DE 1004386,1
PRIOR FILING DATE: 2001-03-15
2000-03-15
2000-04-06
2000-04-07
2000-06-30
2000-09-01
NUMBER OF SEQ ID NOS: 428
SEQ ID NO 214
LENGTH: 16914

TYPE: DNA
ORGANISM: Glycine max
FEATURE:

OTHER INFORMATION: Clone ID: PAT_MRT3847_68380C.1

US-10-424-593-107823

Query Match Score 16.8%; DB 13; Length 356;

Best Local Similarity 90.0%; Pred. No. 3.8e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGATTGGAGATGTTG 20
Db 218 TATGGATATGGAGATGTTG 237

RESULT 9
US-10-019-386-9317/c
; Sequence 9317, Application US/10029386
; Publication No. US20030194704A1
GENERAL INFORMATION:
; APPLICANT: Penn, Sharzon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS TWO
FILE REFERENCE: ABOMICA-X-2

CURRENT APPLICATION NUMBER: US/10/029,386

CURRENT FILING DATE: 2001-12-20

NUMBER OF SEQ ID NOS: 34288

SOFTWARE: Ammaxax Sequence Listing Engine vers. 1.1

SEQ ID NO 9317
LENGTH: 551

NAME/KEY: unsure

; LOCATION: (422, 441, 608, 660, 664, 680, 696, 720, 749, 792..793, 1637)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1643, 1665, 2367, 2383, 2458, 2555, 2581, 2587, 2828)
; FEATURE:
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; FEATURE:
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; LOCATION: (4656, 4661, 4841, 4905, 4926, 4931, 4939, 4945, 4960, 4977)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (4989, 5032, 5154, 5156, 5734, 5993, 6255, 6602)
; - LOCATION: (4989, 5032, 5154, 5156, 5734, 5993, 6255, 6602)
US-10-221-613-214
Query Match Score 17; DB 13; Length 16914;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TAGGGATTGGAGATT 17
Db 5123 TAGGGATTGGAGATT 5139
RESULT 8
US-10-424-599-107823
; Sequence 107823, Application US/10424599
; Publication No. US20040031072A1
GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovail David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5322)3.B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 107823
LENGTH: 356
TYPE: DNA
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_68380C.1
US-10-424-593-107823
Query Match Score 16.8%; DB 13; Length 356;
Best Local Similarity 90.0%; Pred. No. 3.8e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 TAGGGATTGGAGATGTTG 20
Db 218 TATGGATATGGAGATGTTG 237
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US-10-019-386-9317/c
; Sequence 9317, Application US/10029386
; Publication No. US20030194704A1
GENERAL INFORMATION:
; APPLICANT: Penn, Sharzon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS TWO
FILE REFERENCE: ABOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Ammaxax Sequence Listing Engine vers. 1.1
SEQ ID NO 9317
LENGTH: 551


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FILE REFERENCE: 108827,129
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PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-18
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 250518
LENGTH: 642
TYPE: DNA
ORGANISM: Human
US-10-027-632-250518

Query Match Score 16.8; DB 16; Length 642;
Best Local Similarity 90.0%; Pred. No. 4.1e-02; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 AGGGGATTGGAGATTTGTA 21
Db 38 AGGGGATTGGAGATTTGGA 57

RESULT 14
US-10-027-632-250519
Sequence 250519, Application US/10027632
Publication No. US-A030204075A9
GENERAL INFORMATION: No. 4.1e+02;
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827,129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIORITY FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-18
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 250519
LENGTH: 642
TYPE: DNA
ORGANISM: Human
US-10-027-632-250519

Query Match Score 16.8; DB 16; Length 715;
Best Local Similarity 90.0%; Pred. No. 4.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGATTGGAGATTTG 20
Db 377 TAGGAGATTGGAGATGTG 358

Search completed: September 16, 2004, 20:53:42
Job time : 192.076 secs

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Query Match Score 16.8; DB 16; Length 642;
Best Local Similarity 90.0%; Pred. No. 4.1e-02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Db 38 AGGGGATTGGAGATTTGGA 57

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Db 38 AGGGGATTGGAGATTTGGA 57

RESULT 15
US-10-027-632-30018/c
Sequence 30018, Application US/10027632
Publication No. US-A02002198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827,129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIORITY FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-18
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 30018
LENGTH: 715
TYPE: DNA
ORGANISM: Human
US-10-027-632-30018/c

Query Match Score 16.8; DB 13; Length 715;
Best Local Similarity 90.0%; Pred. No. 4.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGATTGGAGATTTG 20
Db 377 TAGGAGATTGGAGATGTG 358

Search completed: September 16, 2004, 20:53:42
Job time : 192.076 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 44.6565 Seconds
 (without alignments)
 310.678 Million cell updates/sec

Title: US-09-477-082-32

Perfect score: 25

Sequence: 1 cccatataatctacattcaaaacaa 25

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 0

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

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 2: /cgzn2_6/ptodata/2/ina/5B_COMBO.seq:
 3: /cgzn2_6/ptodata/2/ina/6A_COMBO.seq:
 4: /cgzn2_6/ptodata/2/ina/6B_COMBO.seq:
 5: /cgzn2_6/ptodata/2/ina/PCTUS_COMBO.seq:
 6: /cgzn2_6/ptodata/2/ina/backfiles.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18.6	74.4	798	4 US-09-280-116-82	Sequence 82, Appli
2	18.6	74.4	1239025	4 US-09-198-52A-1	Sequence 1, Appli
c	3	72.8	262	4 US-09-313-29A-203	Sequence 2303, Ap
c	4	18.2	72.8	1386	2 US-08-617-080-76
c	5	18.2	72.8	1755	4 US-09-328-355-3746
c	6	18.2	72.8	2427	4 US-09-601-198-70
c	7	18.2	72.8	7037	4 US-09-853-768-3
c	8	18.2	72.8	19124	2 US-08-87-826B-13
c	9	17.6	70.4	257	4 US-09-213-29A-295
c	10	17.6	70.4	759	4 US-09-107-53A-803
c	11	17.6	70.4	1200	4 US-09-540-312D-908
c	12	17.6	70.4	1995	4 US-10-204-708-88
c	13	17.6	70.4	6182	4 US-09-345-217-1
c	14	17.6	70.4	11910	3 Sequence 1, Appli
c	15	17.6	70.4	89047	4 Sequence 34, Appli
c	16	17.6	70.4	152231	3 Sequence 16, Appli
c	17	17.2	68.8	297	1 Sequence 17, Appli
c	18	17.2	68.8	297	3 Sequence 17, Appli
c	19	17.2	68.8	297	3 Sequence 17, Appli
c	20	17.2	68.8	297	4 Sequence 17, Appli
c	21	17.2	68.8	342	4 Sequence 2219, Ap
c	22	17.2	68.8	357	4 Sequence 3525, Ap
c	23	17.2	68.8	498	4 Sequence 3435, Ap
c	24	17.2	68.8	1715	4 Sequence 984, Ap
c	25	17.2	68.8	2111	2 Sequence 6, Appli
c	26	17.2	68.8	5954	4 Sequence 6, Appli
c	27	17.2	68.0	381	4 Sequence 844, Ap

ALIGNMENTS

RESULT 1
 US-09-280-116-82
 ; Sequence 82, Application US/09280116A
 ; Patent No. 6331127
 ; GENERAL INFORMATION:
 ; APPLICANT: Robison, Keith E.
 ; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
 ; FILE REFERENCE: 5800-24, 035800/176965
 ; CURRENT APPLICATION NUMBER: US/09/280,116A
 ; NUMBER OF SEQ ID NOS: 268
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 82
 ; LENGTH: 798
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: matrix metalloproteinases
 ; FEATURE:
 ; NAME KEY: misc_feature
 ; LOCATION: (1)_(798)
 ; OTHER INFORMATION: n = a, t, c or g
 ; US-09-280-116-82
 Query Match 74.4%; Score 18.6; DB 4; Length 798;
 Best Local Similarity 84.0%; Pred. No. 59;
 Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 Qy 1 CCATATATCATCTACATTCAAAACAA 25
 Db 422 CCATATATATATATCCAGACAA 446

RESULT 2
 US-09-198-452A-1
 ; Sequence 1, Application US/09198452A
 ; Patent No. 6559294
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffais, R.
 ; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
 ; FILE REFERENCE: 9710-003-999
 ; CURRENT APPLICATION NUMBER: US/09/198, 452A
 ; CURRENT FILING DATE: 1998-11-24
 ; NUMBER OF SEQ ID NOS: 6849
 ; LENGTH: 1230025
 ; TYPE: DNA
 ; ORGANISM: Chlamydia pneumoniae

LOCATION: (720001)..(735000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (735001)..(750000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (750001)..(765000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (765001)..(780000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (780001)..(795000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (795001)..(810000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (810001)..(825000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (825001)..(840000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (840001)..(855000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (855001)..(870000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (885001)..(900000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature
 LOCATION: (900001)..(915000)
 OTHER INFORMATION: n=a or c or g or t
 NAME/KEY: misc_feature

Query Match 74.4%; Score 18.6; DB 4; Length 1230025;
 Best Local Similarity 84.0%; Pred. No. 77;
 Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CCATATATCATCATCAAAACAA 25
 Db 559906 CCATCTATATCATCACATCAA 559930

RESULT 3
 US-09-313-294A-2303/c
 Sequence 2303, Application US/09313294A
 GENERAL INFORMATION:
 APPLICANT: Ito, Laura Y.
 APPLICANT: Sherman, Bradley K.
 TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR FILE REFERENCE: PL-0017-US
 CURRENT APPLICATION NUMBER: US/09/3113,294A
 CURRENT FILING DATE: 1999-05-14
 NUMBER OF SEQ ID NOS: 7600
 SEQ ID NO 2303
 LENGTH: 262
 TYPE: DNA
 ORGANISM: Zea mays
 FEATURE: misc feature
 NAME/KEY: misc feature
 OTHER INFORMATION: Incyte ID No. 6476212 700552454HL
 NAME/KEY: unsure
 LOCATION: 3, 172, 182, 184
 OTHER INFORMATION: a, t, c, g, or other

US-09-313-294A-2303
 Query Match 72.8%; Score 18.2; DB 4; Length 262;
 Best Local Similarity 87.0%; Pred. No. 81;
 Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 CATATATCTACATTCAAACA 24
 Db 220 CATATTCTAAATCCAAACA 198

RESULT 4
 US-08-687-080-76
 Sequence 76, Application US/08687080
 Patent No. 5965427
 GENERAL INFORMATION:
 APPLICANT: Gregory Dolanov
 TITLE OF INVENTION: Human RAD50 Gene and Methods of Use Thereof
 NUMBER OF SEQUENCES: 175
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Dehlinger & Associates
 STREET: 350 Cambridge Avenue, Suite 250
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94306
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/687,080
 FILING DATE: 17-JUL-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/592,126
 FILING DATE: 26-JAN-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Shiozzi, Charles K.
 REGISTRATION NUMBER: 38,615
 REFERENCE/DOCKET NUMBER: 4600-0111.30
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 324-0880
 TELEFAX: (415) 324-0960
 INFORMATION FOR SEQ ID NO: 76:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1386 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 INDIVIDUAL ISOLATE: INTRON 9 OF RAD50 GENOMIC SEQUENCE
 US-08-687-080-76

Query Match 72.8%; Score 18.2; DB 2; Length 1386;
 Best Local Similarity 87.0%; Pred. No. 87;
 Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 CATATATCTACATTCAAACA 24
 Db 278 CATAGGAATGTACATTCAAACA 300

RESULT 5
 US-09-328-352-3746/C
 Sequence 3746, Application US/09328352
 Patent No. 6562258
 GENERAL INFORMATION:
 APPLICANT: Gary L. Breton et al.

Patent No. 6476212
 GENERAL INFORMATION:
 APPLICANT: Laligdi, Raghunath V.
 ATTORNEY: Ito, Laura Y.
 TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR FILE REFERENCE: PL-0017 US CURRENT APPLICATION NUMBER: US/09/313,294A CURRENT FILING DATE: 1999-05-14 NUMBER OF SEQ ID NOS: 7600 SOFTWARE: PERL Program SEQ ID NO: 2295 LENGTH: 257 TYPE: DNA ORGANISM: Zea mays FEATURE: misc_feature OTHER INFORMATION: Incyte ID No. 6476212 700552442H1

US-09-313-294A-2295

Query Match Score 70.4%; Best Local Similarity 83.3%; Pred. No. 1.4e-02; Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CCATATATCTACATTAAACA 24
 Db 96 CCACATATTTATTTAAACA 73

RESULT 10 US-09-107-532A-803/C Sequence 803, Application US/09107532A Patent No. 653275

GENERAL INFORMATION:
 APPLICANT: Lynn A. Doucette-Stamm and David Bush TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO ENTROCOCCUS FABICUM FOR DIAGNOSTICS AND THERAPEUTICS NUMBER OF SEQUENCES: 7310 CORRESPONDENCE ADDRESS:
 ADDRESSEE: GENOME THERAPEUTICS CORPORATION STREET: 100 Beaver Street CITY: Waltham STATE: Massachusetts COUNTRY: USA ZIP: 02354

COMPUTER READABLE FORM:
 MEDIUM TYPE: CD-ROM ISO96660 COMPUTER: PC OPERATING SYSTEM: <Unknown> SOFTWARE: ASCII

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/107,532A
 FILING DATE: 30-Jun-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/085,598
 FILING DATE: 14 May 1998
 APPLICATION NUMBER: 60/051571
 FILING DATE: July 2, 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Arinello, Pamela DeSke
 REGISTRATION NUMBER: 40,489
 REFERENCE/DOCKET NUMBER: GTNC-012
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781)893-5007
 TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 803:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 759 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: circular
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO

ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Enterococcus faecium
 FEATURE: misc_feature
 LOCATION: (B) LOCATION 1..759
 SEQUENCE DESCRIPTION: SEQ ID NO: 803:
 US-09-107-52A-803

Query Match Score 70.4%; Best Local Similarity 83.3%; Pred. No. 1.5e+02; Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CCATATATCTACATTAAACA 24
 Db 374 CCATAATATCATCAATCATACCA 351

RESULT 11 US-09-540-226-576/C Sequence 576, Application US/09540236

GENERAL INFORMATION:
 APPLICANT: Gary L. Brecon et al.
 TITLE OF INVENTION: NUCLEAR ACIDS AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATARRHALIS
 FILE REFERENCE: 2709/2005-001
 CURRENT APPLICATION NUMBER: US/09/540,236
 CURRENT FILING DATE: 2000-04-04
 NUMBER OF SEQ ID NOS: 3840
 SEQ ID NO: 576
 LENGTH: 1200
 TYPE: DNA
 ORGANISM: M.Catarrhalis

US-09-540-226-576

Query Match Score 70.4%; Best Local Similarity 83.3%; Pred. No. 1.5e+02; Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CCATATATCTACATTAAACA 24
 Db 551 CCATAATATCTGCATCCAAAATA 528

RESULT 12 US-09-620-312D-908 Sequence 908, Application US/09620312D

GENERAL INFORMATION:
 PATENT NO. 6569612
 APPLICANT: Tang, Y. Tom
 APPLICANT: Liu, Chenghua
 APPLICANT: Asundi, Vinod
 APPLICANT: Zhang, Jie
 APPLICANT: Ren, Feiyan
 APPLICANT: Chen, Rui-hong
 APPLICANT: Zhao, Qing A.
 APPLICANT: Wehrman, Tom
 APPLICANT: Xie, Aidong J.
 APPLICANT: Yang, Yonghong
 APPLICANT: Wang, Jian-Rui
 APPLICANT: Zhou, Ping
 APPLICANT: Ma, Yunding
 APPLICANT: Wang, Dunring
 APPLICANT: Wang, Zhiwei
 APPLICANT: John, Willinghast
 APPLICANT: Drmanac, Radjoje T.
 TITLE OF INVENTION: No. 6569612 Nucleic Acids and Polypeptides
 FILE REFERENCE: 784CLP2B
 CURRENT APPLICATION NUMBER: US/09/620,312D
 CURRENT FILING DATE: 2000-07-19
 PRIORITY APPLICATION NUMBER: 09/552,317

PRIOR FILING DATE: 2000-04-25
 PRIOR APPLICATION NUMBER: 09488725
 PRIOR FILING DATE: 2000-01-21
 NUMBER OF SEQ ID NOS: 1105
 SOFTWARE: pt_FL_genes Version 1.0
 SEQ ID NO: 908
 LENGTH: 1995
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (117)..(1031)
 US-09-620-312-D-908

Query Match 70.4%; Score 17.6; DB 4; Length 1995;
 Best Local Similarity 83.3%; Pred. No. 1.5e+02;
 Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 CATAATCTACATTCAAAACA 25
 Db 1966 CATATATATACATAAAAAA 1989

RESULT 13
 US-10-204-708-88/C
 Sequence 88 Application US/10204708
 Patent No. 677731
 GENERAL INFORMATION:
 APPLICANT: OLEK, Alexander
 APPLICANT: PEPPENBROCK, Christian
 APPLICANT: BERLIN, Kurt
 TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
 FILE REFERENCE: 50:13..101.2
 CURRENT APPLICATION NUMBER: US/10/204.708
 CURRENT FILING DATE: 2003-05-06
 PRIOR APPLICATION NUMBER: PCT/EP01/03971
 PRIOR FILING DATE: 2001-04-06
 PRIOR APPLICATION NUMBER: DE 10019058.8
 PRIOR FILING DATE: 2000-04-06
 PRIOR APPLICATION NUMBER: DE 10019173.8
 PRIOR FILING DATE: 2000-04-07
 PRIOR APPLICATION NUMBER: DE 10032529.7
 PRIOR FILING DATE: 2000-06-30
 PRIOR APPLICATION NUMBER: DE 10043826.1
 PRIOR FILING DATE: 2000-09-01
 NUMBER OF SEQ ID NOS: 98
 SEQ ID NO: 88
 LENGTH: 6182
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 US-10-204-708-88

Query Match 70.4%; Score 17.6; DB 4; Length 6182;
 Best Local Similarity 83.3%; Pred. No. 1.6e+02;
 Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 CATAATCTACATTCAAAACA 25
 Db 4798 CATAACATCTACATTCAAAAAA 4775

RESULT 14
 US-09-145-217-1
 Sequence 1 Application US/09345217
 GENERAL INFORMATION:
 APPLICANT: DUFF, GORDON W.
 APPLICANT: COX, ANGELA
 APPLICANT: CAMP, NICOLA J.
 APPLICANT: DIGIOVINE, FRANCESCO S.

Search completed: September 16, 2004, 16:26:55
 Job time : 52.6565 secs

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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 222.71 Seconds

(without alignments) 566.594 Million cell. updates/sec

Title: US-09-477-082-32

Perfect score: 25

Sequence: 1 cccatataatctacattcaaaaaaa 25

Scoring table: IDENTITY NUC

Gapp 10.0 , Gapext 1.0

Searched: 332707 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters:

6654154

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

Database :

Published Applications NA;*

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2: /cgm2_6/podata/2/pubnra/us07_pubcomb.seq;*

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6: /cgm2_6/podata/2/pubnra/pc07_pubcomb.seq;*

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12: /cgm2_6/podata/2/pubnra/us09_pubseq;*

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14: /cgm2_6/podata/2/pubnra/us10_pubcomb.seq;*

15: /cgm2_6/podata/2/pubnra/us10_pubcomb.seq;*

16: /cgm2_6/podata/2/pubnra/us10_pubcomb.seq;*

17: /cgm2_6/podata/2/pubnra/us10_new_pub.seq;*

18: /cgm2_6/podata/2/pubnra/us60_new_pub.seq;*

19: /cgm2_6/podata/2/pubnra/us60_pubcomb.seq;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	20.2	80.8	17280	13 US-10-221-714A-498	Sequence 498, App
C 2	20.2	80.8	210405	16 US-10-027-632-76212	Sequence 76212, A
C 3	20.2	80.8	210405	16 US-10-027-632-76212	Sequence 76212, A
C 4	19.8	79.2	5474	17 US-10-433-793-96	Sequence 96, App
C 5	19.2	76.8	611	13 US-10-027-632-215064	Sequence 215064,
C 6	19.2	76.8	611	13 US-10-027-632-215065	Sequence 215065,
C 7	19.2	76.8	611	13 US-10-027-632-215066	Sequence 215066,
C 8	19.2	76.8	611	16 US-10-027-632-215064	Sequence 215064,
C 9	19.2	76.8	611	16 US-10-027-632-215065	Sequence 215065,
C 10	19.2	76.8	611	16 US-10-027-632-215066	Sequence 215066,
C 11	19.2	76.8	748	13 US-10-027-632-29050	Sequence 29050, A
C 12	19.2	76.8	748	16 US-10-027-632-29050	Sequence 29050, A
C 13	19.2	76.8	1236	13 US-10-027-632-215063	Sequence 215063,
C 14	19.2	76.8	1236	16 US-10-027-632-215063	Sequence 215063,

OTHER INFORMATION

OTHER INFORMATION: chemically treated Genomic DNA (Homo sapiens)

US-10-221-714A-498

Query Match

Best Local Similarity

Matches 22;

Conservative

Indels 0;

Gaps 0;

Result No.	Score	Query Match	Length	DB ID	Description
C 1	20.2	80.8	17280	13 US-10-221-714A-498	Sequence 498, App
C 2	20.2	80.8	210405	16 US-10-027-632-76212	Sequence 76212, A
C 3	20.2	80.8	210405	16 US-10-027-632-76212	Sequence 76212, A
C 4	19.8	79.2	5474	17 US-10-433-793-96	Sequence 96, App
C 5	19.2	76.8	611	13 US-10-027-632-215064	Sequence 215064,
C 6	19.2	76.8	611	13 US-10-027-632-215065	Sequence 215065,
C 7	19.2	76.8	611	13 US-10-027-632-215066	Sequence 215066,
C 8	19.2	76.8	611	16 US-10-027-632-215064	Sequence 215064,
C 9	19.2	76.8	611	16 US-10-027-632-215065	Sequence 215065,
C 10	19.2	76.8	611	16 US-10-027-632-215066	Sequence 215066,
C 11	19.2	76.8	748	13 US-10-027-632-29050	Sequence 29050, A
C 12	19.2	76.8	748	16 US-10-027-632-29050	Sequence 29050, A
C 13	19.2	76.8	1236	13 US-10-027-632-215063	Sequence 215063,
C 14	19.2	76.8	1236	16 US-10-027-632-215063	Sequence 215063,

ALIGNMENTS

RESULT 1

US-10-221-714A-498/C

Sequence 498, Application US-10221714A

Publication No. US20040048254A1

GENERAL INFORMATION:

APPLICANT: OLEK, Alexander

ATTORNEY: PIEPERBROCK, Christian

APPLICANT: BERLIN, Kurt

TITLE OF INVENTION: Diagnosis of Diseases Associated with

TUMOR SUPPRESSOR GENES AND ONCOGENES

FILE REFERENCE: 5013_1005

CURRENT APPLICATION NUMBER: US/10/221,714A

CURRENT FILING DATE: 2003-01-21

PRIOR APPLICATION NUMBER: PCT/EP01/02955

PRIOR FILING DATE: 2000-01-15

PRIOR APPLICATION NUMBER: DE 10013847.0

PRIOR APPLICATION NUMBER: DE 10019058.8

PRIOR FILING DATE: 2000-04-05

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-07

PRIOR APPLICATION NUMBER: DE 10032529.7

PRIOR FILING DATE: 2000-06-30

NUMBER OF SEQ ID NOS: 540

SEQ ID NO 498

LENGTH: 17280

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: chemically treated Genomic DNA (Homo sapiens)

US-10-221-714A-498

RESULT 3
 US-10-027-632-76212
 ; Sequence 76212, Application US/10027632
 ; Publication No. US20030204075A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; FILE REFERENCE: 108827-129
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; PRIORITY FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIORITY FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIORITY FILING DATE: 2000-04-20
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIORITY FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIORITY FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIORITY FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIORITY FILING DATE: 1999-09-38
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIORITY FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSEQ for Windows version 4.0
 ; SEQ ID NO: 76212
 ; LENGTH: 2140405
 ; TYPE: DNA
 ; ORGANISM: Human
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)...(2140405)
 ; OTHER INFORMATION: n = A,T,C or G
 ; US-10-027-632-76212
 Query Match 80.8%; Score 20.2; DB 13; Length 2140405;
 Best Local Similarity 88.0%; Pred. No. 1.1e+03; Indels 0; Gaps 0;
 Matches 22; Conservative 0; Mismatches 3;
 Qy 1 CCTATATCTACATTCAGAAACAA 25
 Db 1380416 CCACATGTCTACATGAAACAA 1380440

RESULT 4
 US-10-433-793-96/c
 ; Sequence 96, Application US/10433793
 ; Publication No. US004014233A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Epigenomics AG
 ; TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten
 ; FILE REFERENCE:
 ; CURRENT APPLICATION NUMBER: US/10/433,793
 ; CURRENT FILING DATE: 2003-06-06
 ; NUMBER OF SEQ ID NOS: 212
 ; SEQ ID NO: 96
 ; LENGTH: 5474
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 ; US-10-433-793-96
 Query Match 79.2%; Score 19.8; DB 17; Length 5474;
 Best Local Similarity 91.3%; Pred. No. 9e+02; Indels 0; Gaps 0;
 Matches 21; Conservative 2;
 Qy 2 CATAATATCTCATTCATCAAACA 24
 Db 1823 CATATTATCTCATTCATCAAACA 1801

RESULT 5
 US-10-027-632-215064/c
 ; Sequence 215064, Application US/10027632
 ; Publication No. US2003019837A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; FILE REFERENCE: 108827-129
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; CURRENT FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-20
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23

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; PRIOR FILING DATE: 1999-11-23
; CURRENT APPLICATION NUMBER: US/10/027/632
; CURRENT FILING DATE: 2002-04-30
; PRIORITY APPLICATION NUMBER: US 60/156,358
; PRIORITY FILING DATE: 1999-09-28
; PRIORITY APPLICATION NUMBER: US 60/146,002
; PRIORITY FILING DATE: 1999-09-28
; PRIORITY APPLICATION NUMBER: US 60/198,676
; PRIORITY FILING DATE: 2000-04-20
; PRIORITY APPLICATION NUMBER: US 60/193,483
; PRIORITY FILING DATE: 2000-03-29
; PRIORITY APPLICATION NUMBER: US 60/185,218
; PRIORITY FILING DATE: 2000-02-24
; PRIORITY APPLICATION NUMBER: US 60/167,363
; PRIORITY FILING DATE: 1999-11-23
; PRIORITY APPLICATION NUMBER: US 60/156,358
; PRIORITY FILING DATE: 1999-09-28
; PRIORITY APPLICATION NUMBER: US 60/146,002
; PRIORITY FILING DATE: 1999-08-09
; PRIORITY APPLICATION NUMBER: US 60/145,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 215064
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-215064

Query Match 76.8%; Score 19.2; DB 13; Length 611;
Best Local Similarity 87.5%; Pred. No. 1..1e+03; Indels 0; Gaps 0;
Matches 21; Conservative 0; Mismatches 3;

Qy 1 CCATATATCTACATTCAAAACA 24
Db 391 CCATATACCTATTTAAACA 368

RESULT 6
US-10-027-632-215065/c
; Sequence 215065, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108227.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIORITY APPLICATION NUMBER: US 60/156,358
; PRIORITY FILING DATE: 2000-04-20
; PRIORITY APPLICATION NUMBER: US 60/193,483
; PRIORITY FILING DATE: 2000-03-29
; PRIORITY APPLICATION NUMBER: US 60/185,218
; PRIORITY FILING DATE: 2000-02-24
; PRIORITY APPLICATION NUMBER: US 60/167,363
; PRIORITY FILING DATE: 1999-11-23
; PRIORITY APPLICATION NUMBER: US 60/156,358
; PRIORITY FILING DATE: 1999-09-28
; PRIORITY APPLICATION NUMBER: US 60/146,002
; PRIORITY FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 215065
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-215065

Query Match 76.8%; Score 19.2; DB 13; Length 611;
Best Local Similarity 87.5%; Pred. No. 1..1e+03; Indels 0; Gaps 0;
Matches 21; Conservative 0; Mismatches 3;

Qy 1 CCATATATCTACATTCAAAACA 24
Db 391 CCATATACCTATTTAAACA 368

RESULT 7
US-10-027-632-215066/c
; Sequence 215066, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108227.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIORITY APPLICATION NUMBER: US 60/156,358
; PRIORITY FILING DATE: 2000-03-29
; PRIORITY APPLICATION NUMBER: US 60/185,218
; PRIORITY FILING DATE: 2000-02-24
; PRIORITY APPLICATION NUMBER: US 60/167,363
; PRIORITY FILING DATE: 1999-11-23
; PRIORITY APPLICATION NUMBER: US 60/156,358
; PRIORITY FILING DATE: 1999-09-28
; PRIORITY APPLICATION NUMBER: US 60/146,002
; PRIORITY FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 215064
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-215064

Query Match 76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1..1e+03; Indels 0; Gaps 0;
Matches 21; Conservative 0; Mismatches 3;

Qy 1 CCATATATCTACATTCAAAACA 24
Db 391 CCATATACCTATTTAAACA 368

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RESULT 9
US-10-027-632-215065/c
Sequence 215065, Application US/10027632
Publication No. US20030204072A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/1218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 215065
LENGTH: 611
TYPE: DNA,
ORGANISM: Human
US-10-027-632-215065

Query Match 76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATCATCTACATCAAAACA 24
Db 391 CCATATATCATCTACATCAAAACA 368

RESULT 10
US-10-027-632-215066/c
Sequence 215066, Application US/10027632
Publication No. US20030204072A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIOR APPLICATION NUMBER: US 60/1218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 215066
LENGTH: 611

Query Match 76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATCATCTACATCAAAACA 24
Db 391 CCATATATCATCTACATCAAAACA 368

RESULT 11
US-10-027-632-29050/c
Sequence 29050, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 29050
LENGTH: 748

Query Match 76.8%; Score 19.2; DB 13; Length 748;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATCATCTACATCAAAACA 24
Db 484 CCATATATCATCTACATCAAAACA 461

RESULT 12
US-10-027-632-29050/c
Sequence 29050, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 215066
LENGTH: 611

Qy 2 CATAATATCTACATTCAAAAGCA 25
Db 874 CATAATTCTACATCCAAACCAA 851

Search completed: September 16, 2004, 20:53:54
Job time : 234.71 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds
 (without alignments)
 310.678 Million cell updates/sec

Title: US-09-477-082-33
 Perfect score: 21
 Sequence: 1 tagggactcgagactgcga 21

Scoring table: IDENTITY NUC
 GAPOp 10.0 , Gapext 1.0
 Searched: 682709 seqs, 27745446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing First 45 summaries

Database : Issued Patents NA:
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 2: /cgn1_6/.ptodata/2/ina/5B_COMB.seq:/*
 3: /cgn2_6/.ptodata/2/ina/6A_COMB.seq:/*
 4: /cgn2_6/.ptodata/2/ina/6B_COMB.seq:/*
 5: /cgn2_6/.ptodata/2/ina/BPTUS_COMB.seq:/*
 6: /cgn2_6/.ptodata/2/ina/backfiles1.seq:/*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARES

Result No.	Score	Query Match	Length	DB ID	Description
1	21	100.0	2887	4 US-09-983-502-14	Sequence 14, Appl
2	21	100.0	2887	4 US-09-516-747-14	Sequence 14, Appl
3	21	100.0	2887	5 PCT-US96-0521-14	Sequence 14, Appl
4	15.4	73.3	454	4 US-09-963-137-12	Sequence 62, Appl
C 5	15.4	73.3	633	4 US-09-252-991A-4514	Sequence 4514, AP
C 6	15.4	73.3	771	4 US-09-252-991A-4410	Sequence 4410, AP
C 7	15.4	73.3	1209	3 US-09-028-328-2	Sequence 2, Appl
C 8	15.4	72.3	1886	4 US-09-620-312D-647	Sequence 64, Appl
C 9	15.2	72.4	3221	5 PCT-US94-07659-7	Sequence 7, Appl
C 10	15.2	72.4	588	3 US-09-328-111-397	Sequence 397, Appl
C 11	15.2	72.4	618	3 US-09-328-111-487	Sequence 487, Appl
C 12	15.2	72.4	620	3 US-09-328-111-490	Sequence 490, Appl
C 13	15.2	72.4	954	4 US-09-177-419C-7	Sequence 2, Appl
C 14	15.2	72.4	1557	4 US-09-023-655-1016	Sequence 1016, Appl
C 15	15.2	72.4	3257	5 PCT-US91-09784-1	Sequence 1, Appl
C 16	15.2	72.4	3303	1 US-08-081-610-3	Sequence 3, Appl
C 17	15.2	72.4	43804	4 US-09-171-461-1	Sequence 1, Appl
C 18	14.8	70.5	503	4 US-09-933-381-1783	Sequence 1783, AP
C 19	14.8	70.5	1533	4 US-09-075-454-11	Sequence 11, Appl
C 20	14.8	70.5	2123	4 US-09-194-468A-29	Sequence 29, Appl
C 21	14.8	70.5	2194	4 US-09-023-655-668	Sequence 668, Appl
C 22	14.8	70.5	6378	4 US-09-312D-332	Sequence 332, Appl
C 23	14.8	70.5	9785	4 US-09-479-128-1	Sequence 1, Appl
C 24	14.6	69.5	690	4 US-09-252-991A-13180	Sequence 13180, A
C 25	14.6	69.5	985	4 US-09-621-976-540	Sequence 2540, AP
C 26	14.6	69.5	2169	4 US-09-105-058C-22	Sequence 22, Appl
C 27	14.6	69.5	2273	4 US-09-177-650-88	Sequence 88, Appl

ALIGNMENTS

RESULT 1
 US-08-983-502-14
 Sequence 14, Application US/08983502
 Parent No. 6399327
 GENERAL INFORMATION:
 APPLICANT: Mark P. BOLDIN
 APPLICANT: Tanya M. GONCHAROV
 APPLICANT: Yury V. GOLTEBEV
 TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS AND OTHER PROTEINS
 NUMBER OF SEQUENCES: 34
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Browdy and Neimark
 STREET: 419 Seventh Street N.W., Ste. 300
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20004
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA: US/08/983, 502
 APPLICATION NUMBER: US/08/983, 502
 FILING DATE: 16-JAN-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US96/10521
 FILING DATE: 14-JUN-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: IL 114, 615
 FILING DATE: 16-JUL-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: IL 114, 986
 FILING DATE: 17-AUG-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: IL 114, 615
 FILING DATE: 14-SEP-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: IL 116, 588
 FILING DATE: 27-DEC-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: IL 115, 319
 FILING DATE: 16-APR-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Browdy, Roger L.
 REGISTRATION NUMBER: 25, 618
 REGISTRATION/DOCKET NUMBER: WALLACH=19
 TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197
 TELEXFAX: (202) 737-5528
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2887 base pairs
 ; STRANDEDNESS: nucleic acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 US-08-983-502-14

Query Match 100.0% Score 21; DB 4; Length 2887;
 Best Local Similarity 100.0%; Pred. No. 0; 2; Mismatches 0; Indels 0; Gaps 0;

; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 ; PCT-US96-10521-14
 ; Sequence 14, Application PC/TUS9610521
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
 ; NUMBER OF SEQUENCES: 34
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US96/105221
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 114,615
 ; FILING DATE: 16-JUL-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 114,986
 ; FILING DATE: 17-AUG-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 115,319
 ; FILING DATE: 14-SEP-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 116,588
 ; FILING DATE: 27-DEC-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: IL 117,932
 ; FILING DATE: 16-APR-1996
 ; INFORMATION FOR SEQ ID NO: 14:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2887 base Pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; PCT-US96-10521-14

Query Match 100.0% Score 21; DB 5; Length 2887;
 Best Local Similarity 100.0%; Pred. No. 0; 2; Mismatches 0; Indels 0; Gaps 0;

; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 ; PCT-US96-10521-14
 ; Sequence 14, Application PC/TUS9610521
 ; GENERAL INFORMATION:
 ; APPLICANT: Pedersen, Firm S
 ; PATENT NO.: 6596036
 ; ATTORNEY/AGENT INFORMATION:
 NAME: Browdy, Roger L.
 REGISTRATION NUMBER: 25,618
 REFERENCE/DOCKET NUMBER: WALLACH=19

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 628-5197
 TELEFAX: (202) 737-3525
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2887 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear

; PCT-US96-10521-14

RESULT 4
 US-09-963-137-62
 ; Sequence 62, Application US/09963137
 ; GENERAL INFORMATION:
 ; APPLICANT: Soransen, Annette B
 ; ATTORNEY: Hernandez, Javier Martin
 ; APPLICANT: Nielsen, Anne A
 ; APPLICANT: Moving, Helle

TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR LYMPHOMA AND LEUKEMIA
 FILE REFERENCE: A-70981/RMS/DCF
 CURRENT APPLICATION NUMBER: US 09/963,137
 CURRENT FILING DATE: 2001-09-24
 PRIOR APPLICATION NUMBER: US 09/668,644
 PRIOR FILING DATE: 2000-09-22
 PRIOR APPLICATION NUMBER: US 09/905,390
 PRIOR FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: US 09/905,491
 PRIOR FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: US 09/962,929
 PRIOR FILING DATE: 2001-09-24
 PRIOR APPLICATION NUMBER: US 09/962,854
 PRIOR FILING DATE: 2001-09-24
 PRIOR APPLICATION NUMBER: US 09/962,916
 PRIOR FILING DATE: 2001-09-24
 PRIOR APPLICATION NUMBER: US 09/962,855
 PRIOR FILING DATE: 2001-09-24
 NUMBER OF SEQ ID NOS: 215
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 62
 LENGTH: 454
 TYPE: DNA
 ORGANISM: Mus musculus
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (9)..(434)
 OTHER INFORMATION: "n" at 9, 124 and 434 can be any base.
 US-09-963-137-62

RESULT 5
 US-09-252-991A-4514/c
 / Sequence 4514, Application US/09252991A
 / Patent No. 6551795
 / GENERAL INFORMATION:
 / APPLICANT: Marc J. Rubenfield et al.
 / TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 / TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 / FILE REFERENCE: 107196.136
 / CURRENT APPLICATION NUMBER: US/09/252,991A
 / CURRENT FILING DATE: 1999-02-18
 / PRIOR APPLICATION NUMBER: US 60/074,788
 / PRIOR FILING DATE: 1998-02-18
 / PRIOR APPLICATION NUMBER: US 60/094,190
 / PRIOR FILING DATE: 1998-07-27
 / NUMBER OF SEQ ID NOS: 33142
 / SEQ ID NO: 4410
 / LENGTH: 771
 / TYPE: DNA
 / ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-4410

Query Match 73 .3%; Score 15.4; DB 4; Length 771;
 Best Local Similarity 94.1%; Pred. No. 1e+02 ;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGACTCGGAGACTGC 19
 Db 57 GGGGACTCGGGCACTGC 41

RESULT 7
 US-09-208-328-2
 / Sequence 2, Application US/09028328
 / Patent No. 6215113
 / GENERAL INFORMATION:
 / APPLICANT: Yue, Henry
 / APPLICANT: Hillman, Jennifer L.
 / APPLICANT: Corley, Neil C.
 / TITLE OF INVENTION: HUMAN PROTEIN KINASE C INHIBITOR
 / NUMBER OF SEQUENCES: 4
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Inoyte Pharmaceuticals, Inc.
 / STREET: 3174 Porter Dr.
 / CITY: Palo Alto
 / STATE: CA
 / COUNTRY: USA
 / ZIP: 94304
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Diskette
 / COMPUTER: IBM Compatible
 / OPERATING SYSTEM: DOS
 / SOFTWARE: FASTSEQ FOR Windows Version 2.0
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/09/028,328
 / FILING DATE: Filed Herewith
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER:
 / FILING DATE:
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Billings, Lucy J.
 / REGISTRATION NUMBER: 36,749
 / REFERENCE/DOCKET NUMBER: PF-0483 US
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: 650-855-0555
 / TELEFAX: 650-845-1166
 / INFORMATION FOR SEQ ID NO: 2:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 1209 base pairs
 / TYPE: nucleic acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / IMMEDIATE SOURCE:
 / LIBRARY: SININNOT04
 / CLONE: 2922091
 / US-09-028-328-2

Query Match 73 .3%; Score 15.4; DB 4; Length 633;
 Best Local Similarity 94.1%; Pred. No. 98 ;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGACTCGGAGACTGC 19
 Db 560 GGGGACTCGGGCACTGC 544

RESULT 6
 US-09-252-991A-4410/c
 / Sequence 4410, Application US/09252991A

Query Match 73.3%; Score 15.4; DB 3; Length 1209;
 Best Local Similarity 94.1%; Pred. No. 1e+02; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 1;

Qy 4 GGGACTGGAGACTGCG 20
 Db 186 GGACCGGGAGACTGCG 202

RESULT 8

US-09-620-312D-647/c
 / Sequence 647, Application US/09620312D
 / Patent No. 6563662
 / GENERAL INFORMATION:
 / APPLICANT: Tang, Y. Tom
 / APPLICANT: Liu, Chenghua
 / APPLICANT: Asundi, Vinod
 / APPLICANT: Zhang, Jie
 / APPLICANT: Ren, Feiyan
 / APPLICANT: Chen, Rui-hong
 / APPLICANT: Zhao, Qing A.
 / APPLICANT: Wehrman, Tom
 / APPLICANT: Xue, Aidong J.
 / APPLICANT: Yang, Yonghong
 / APPLICANT: Wang, Jian Rui
 / APPLICANT: Zhou, Ping
 / APPLICANT: Ma, Yongqing
 / APPLICANT: Wang, Dunrui
 / APPLICANT: Wang, Zhiwei
 / APPLICANT: John Tillinhardt
 / APPLICANT: Dumanac, Radjo T.
 / TITLE OF INVENTION: No. 6563662e1 Nucleic Acids and
 / FILE INVENTION: Polypeptides
 / FILE REFERENCE: 7BACIP2B
 / CURRENT APPLICATION NUMBER: US/09/620,312D
 / CURRENT FILING DATE: 2000-07-19
 / PRIOR APPLICATION NUMBER: 09/552,317
 / PRIOR FILING DATE: 2000-04-25
 / PRIOR APPLICATION NUMBER: 09/486,725
 / PRIOR FILING DATE: 2000-01-21
 / NUMBER OF SEQ ID NOS: 1105
 / SEQ ID NO: 647
 / SCOPING: pt_FL_genes Version 1.0
 / LENGTH: 1886
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE: misc_feature
 / NAME/KEY: misc_feature
 / LOCATION: (11) .. (1886)
 / OTHER INFORMATION: n = a,t,c or g

US-09-620-312D-647

Query Match 73.3%; Score 15.4; DB 4; Length 1886;
 Best Local Similarity 94.1%; Pred. No. 1.e+02; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 1;

Qy 3 GGGACTGGAGACTGCG 19
 Db 330 GGAAATGGAGACTGC 314

RESULT 9

PCT-US94-07659-7/c
 / Sequence 7, Application PC/TUSS9407659
 / GENERAL INFORMATION:
 / APPLICANT: Young, Peter
 / APPLICANT: Gross, Mitchell
 / APPLICANT: Jonak, Zdenka L.
 / APPLICANT: Theissen, Timothy

Qy 3 GGGACTGGAGACTGCG 19
 Db 330 GGAAATGGAGACTGC 314

RESULT 10

US-09-328-111-397/c
 / Sequence 397, Application US/09328111
 / Patent No. 66233
 / GENERAL INFORMATION:
 / APPLICANT: Endge, Wilson O.
 / APPLICANT: Steinmann, Kathleen E.
 / APPLICANT: Astle, Jon H.
 / APPLICANT: Burgess, Christopher C.
 / APPLICANT: Bushnell, Steven E.
 / APPLICANT: Carroll, III, Eddie
 / APPLICANT: Catino, Theodore J.
 / APPLICANT: Derri, Adnan
 / APPLICANT: Fird, Donna M.
 / APPLICANT: Lewis, Marcia E.
 / APPLICANT: Monahan, John E.
 / APPLICANT: Schlegel, Robert
 / TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
 / TITLE OF INVENTION: PRODUCTS

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FILE REFERENCE: CCD-257 ('US')
CURRENT FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: US 60/088,801
NUMBER OF SEQ ID NOS: 850
SEQ ID NO: 397
SOFTWARE: FastSEQ for Windows Version 3.0
LENGTH: 588
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: misc_feature
LOCATION: (1)..(588)
OTHER INFORMATION: n = A,T,C or G
US-09-328-111-397

Query Match
Best Local Similarity 85.0%; Score 15.2%; DB 3; Length 588;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 2 AGGGGACTGGAGACTCGGA 21
Db 314 AGGGGACTGGGGACTCGGA 295

RESULT 11
US-09-328-111-487
Sequence 487, Application US/09328111
PATENT No. 6262333
GENERAL INFORMATION:
APPLICANT: Endege, Wilson O.
APPLICANT: Steimann, Kathleen E.
APPLICANT: Astle, Jon H.
APPLICANT: Burgess, Christopher C.
APPLICANT: Bushnell, Steven B.
APPLICANT: Carroll III, Eddie
APPLICANT: Catino, Theodore J.
APPLICANT: Derti, Adnan
APPLICANT: Ford, Donna M.
APPLICANT: Lewis, Marcia E.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
FILE REFERENCE: CCD-257 ('US')
CURRENT APPLICATION NUMBER: US/09/328,111
CURRENT FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: US 60/088,801
NUMBER OF SEQ ID NOS: 850
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 487
LENGTH: 618
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: misc_feature
LOCATION: (1)..(618)
OTHER INFORMATION: n = A,T,C or G
US-09-328-111-487

Query Match
Best Local Similarity 85.0%; Score 15.2%; DB 3; Length 618;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 2 AGGGGACTGGAGACTCGGA 21
Db 466 AGGGGACTGGGGACTCGGA 485

RESULT 12
US-09-328-111-490
Sequence 490, Application US/09328111
PATENT No. 6262333
GENERAL INFORMATION:
APPLICANT: Endege, Wilson O.
APPLICANT: Steimann, Kathleen E.
APPLICANT: Astle, Jon H.
APPLICANT: Burgess, Christopher C.
APPLICANT: Bushnell, Steven B.
APPLICANT: Carroll III, Eddie
APPLICANT: Catino, Theodore J.
APPLICANT: Derti, Adnan
APPLICANT: Ford, Donna M.
APPLICANT: Lewis, Marcia E.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
FILE REFERENCE: CCD-257 ('US')
CURRENT APPLICATION NUMBER: US/09/328,111
CURRENT FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: US 60/088,801
NUMBER OF SEQ ID NOS: 850
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 490
LENGTH: 620
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: misc_feature
LOCATION: (1)..(620)
OTHER INFORMATION: n = A,T,C or G
US-09-328-111-490

Query Match
Best Local Similarity 85.0%; Score 15.2%; DB 3; Length 620;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 2 AGGGGACTGGAGACTCGGA 21
Db 465 AGGGGACTGGGGACTCGGA 484

RESULT 13
US-09-177-419C-7/C
Sequence 7, Application US/09177419C
PATENT No. 656609
GENERAL INFORMATION:
APPLICANT: Lunn, Erik G.
APPLICANT: Russel, David W.
APPLICANT: Russell, David W.
TITLE OF INVENTION: Cholesterol 25-Hydroxylase
FILE REFERENCE: US2001370
CURRENT APPLICATION NUMBER: US/09/177,419C
CURRENT FILING DATE: 1998-10-22
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 7
LENGTH: 954
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence
US-09-177-419C-7

Query Match
Best Local Similarity 85.0%; Score 15.2%; DB 4; Length 954;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1 TAGGGACTCGAGAGACTCGCG 20
Db 523 TGGGGACTCTGAGTCGTGCG 504

RESULT 14
US-09-328-111-491
Sequence 491, Application US/09328111
PATENT No. 6262333
GENERAL INFORMATION:
APPLICANT: Endege, Wilson O.
APPLICANT: Steimann, Kathleen E.
APPLICANT: Astle, Jon H.
APPLICANT: Burgess, Christopher C.
APPLICANT: Bushnell, Steven B.
APPLICANT: Carroll III, Eddie
APPLICANT: Catino, Theodore J.
APPLICANT: Derti, Adnan
APPLICANT: Ford, Donna M.
APPLICANT: Lewis, Marcia E.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
FILE REFERENCE: CCD-257 ('US')
CURRENT APPLICATION NUMBER: US/09/328,111
CURRENT FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: US 60/088,801
NUMBER OF SEQ ID NOS: 850
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 491
LENGTH: 618
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: misc_feature
LOCATION: (1)..(618)
OTHER INFORMATION: n = A,T,C or G
US-09-328-111-491

Query Match
Best Local Similarity 85.0%; Score 15.2%; DB 4; Length 618;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 2 AGGGGACTGGAGACTCGGA 21
Db 466 AGGGGACTGGGGACTCGGA 485

RESULT 15
US-09-328-111-492
Sequence 492, Application US/09328111
PATENT No. 6262333
GENERAL INFORMATION:
APPLICANT: Endege, Wilson O.
APPLICANT: Steimann, Kathleen E.
APPLICANT: Astle, Jon H.
APPLICANT: Burgess, Christopher C.
APPLICANT: Bushnell, Steven B.
APPLICANT: Carroll III, Eddie
APPLICANT: Catino, Theodore J.
APPLICANT: Derti, Adnan
APPLICANT: Ford, Donna M.
APPLICANT: Lewis, Marcia E.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
FILE REFERENCE: CCD-257 ('US')
CURRENT APPLICATION NUMBER: US/09/328,111
CURRENT FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: US 60/088,801
NUMBER OF SEQ ID NOS: 850
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 492
LENGTH: 618
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: misc_feature
LOCATION: (1)..(618)
OTHER INFORMATION: n = A,T,C or G
US-09-328-111-492

```

RESULT 14
 US-09-023-655-1016
 / Sequence 1016, Application US/09023655
 GENERAL INFORMATION:
 APPLICANT: Cocks, Benjamin G.
 APPLICANT: Susan G. Stuart
 APPLICANT: Jeffrey J. Seilhamer
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
 NUMBER OF SEQUENCES: 1508
 CORRESPONDENCE ADDRESS:
 STREET: INCYTE PHARMACEUTICALS, INC.
 CITY: PALO ALTO
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/023,655
 FILING DATE: HEREWITH
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Zeller, Karen J.
 REGISTRATION NUMBER: 37,071
 REFERENCE/DOCKET NUMBER: PA-0001 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 555-0555
 TELEFAX: (650) 845-1166
 APPLICATION NUMBER: 1016:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 155/base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLONE: 9179410
 US-09-023-655-1016

Query Match 72.4%; Score 15.2; DB 4; Length 1557;
 Best Local Similarity 85.0%; Pred. No. 1.3e+02; Indels 0; Gaps 0;
 Matches 17; Conservative 0; Mismatches 3;

Qy 2 AGGGACTCGGAGACTGCCA 21
 Db 693 AGGGACTGGGACTGCCA 712

STATE: California
 COUNTRY: U.S.A.
 ZIP: 94105
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.24
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US91/09784
 FILING DATE: 19911230
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/07/635,756
 FILING DATE: 04-JAN-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Parmelee, Steven W.
 REGISTRATION NUMBER: 31,990
 REFERENCE/DOCKET NUMBER: 13952-7
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 543-9600
 TELEFAX: (415) 543-5043
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3257 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: N
 ANTI-SENSE: N
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 DEVELOPMENTAL STAGE: Adult
 TISSUE TYPE: Umbilical vein
 CELL TYPE: Endothelial
 CELL LINE: HUVEC
 IMMEDIATE SOURCE:
 CLONE: HTG-1
 POSITION IN GENOME:
 UNITS: bp
 FEATURE:
 NAME KEY: CDS
 LOCATION: 136_2199
 OTHER INFORMATION:
 PCT-US91/09784-1

Query Match 72.4%; Score 15.2; DB 5; Length 3257;
 Best Local Similarity 85.0%; Pred. No. 1.4e+02; Indels 0; Gaps 0;

Qy 2 AGGGACTCGGAGACTGCCA 21
 Db 3089 AGGGACTGGGACTGCCA 3109

Search completed: September 16, 2004, 16:26:57
 Job time : 39.515 secs

RESULT 15
 PCT-US91-09784-1
 Sequence 1, Application PCT/US9109784
 GENERAL INFORMATION:
 APPLICANT: Davies, Peter JA
 APPLICANT: Stein, Joseph P
 TITLE OF INVENTION: CLONING AND EXPRESSION OF TISSUE
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Steven W. Parmelee
 STREET: One Market Plaza, Stewart Tower, Suite
 STREET: 2000
 CITY: San Francisco

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OM nucleic - nucleic search, using sw model1
 Run on: September 16, 2004, 15:53:12 ; Search time 187.076 Seconds
 (without alignments)
 566.594 Million cell updates/sec

Title: US-09-477-082-33
 Perfect score: 21
 Sequence: 1 tagggactcgagactgcga 21

Scoring table: IDENTITY_NUC
 Gapext 1.0 , Gapext 1.0

Searched: 3327077 seqs, 2522723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Published Applications NA.*
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 10: /cn2_6/ptodata/2/pubna/us009B_PUBCOMB.seq.*
 11: /cn2_6/ptodata/2/pubna/us009C_PUBCOMB.seq.*
 12: /cn2_6/ptodata/2/pubna/us009_NEW_PUB.seq.*
 13: /cn2_6/ptodata/2/pubna/us009_NEW_PUB.seq2.*
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 18: /cn2_6/ptodata/2/pubna/us60_PUB.seq.*
 19: /cn2_6/ptodata/2/pubna/us60_PUBCOMB.seq.*

RESULT 1
 US-09-908-975-31650
 ; Sequence 31650, Application US/09908975
 ; Publication No. US20030165843A1
 ; GENERAL INFORMATION:
 ; APPLICANT: SHOSHAN, Avi
 ; APPLICANT: WASSERMAN, Alon
 ; APPLICANT: MINTZ, Eli
 ; APPLICANT: MINTZ, Liat
 ; APPLICANT: PAIGER, Simchon
 ; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE
 ; FILE REFERENCE: 36698-0005
 ; CURRENT APPLICATION NUMBER: US/09/908,975
 ; CURRENT FILING DATE: 2001-07-20
 ; PRIOR APPLICATION NUMBER: US 60/287,724
 ; PRIOR FILING DATE: 2001-05-02
 ; PRIOR FILING NUMBER: US 60/221,607
 ; NUMBER OF SEQ ID NOS: 32337
 ; SEQ ID NO: 31650
 ; LENGTH: 60
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens

ALIGNMENTS

SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query	Match	Length	DB ID	Description
1	21	100.0	60	10	US-09-908-975-31650	Sequence 31650, A
2	21	100.0	2887	16	US-10-968-498-14	Sequence 14, App1
C 3	17.8	84.8	520	17	US-10-767-701-2900	Sequence 2900, A
C 4	17	81.0	1720	13	US-10-027-632-17513	Sequence 17513, App1
C 5	17	81.0	1720	16	US-10-027-632-17513	Sequence 17513, App1
C 6	16.8	80.0	527	15	US-10-029-386-11192	Sequence 11192, A
C 7	16.2	77.1	540	17	US-10-067-701-2695	Sequence 26495, A
C 8	16.2	77.1	639	17	US-10-437-963-49565	Sequence 49565, A
C 9	16.2	77.1	723	17	US-10-337-963-20527	Sequence 20527, A
C 10	16.2	77.1	1040	13	US-10-425-114-7317	Sequence 7317, App1
C 11	16.2	77.1	1135	17	US-10-437-963-30413	Sequence 30413, App1
C 12	16.2	77.1	1151	13	US-10-424-539-27148	Sequence 27148, A
C 13	16.2	77.1	2587	13	US-10-425-114-34280	Sequence 34280, A
C 14	16.2	77.1	3265	13	US-10-027-632-112533	Sequence 112533,

RESULT 2

US-10-368-438-14
 Sequence 14, Application US/10368438
 GENERAL INFORMATION:
 APPLICANT: David WALLACE
 Mark P. BOLDIN
 Tanya M. GONCHAROV
 Yury V. GOITSEV
 TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS AND OTHER PROTEINS
 NUMBER OF SEQUENCES: 34
 CORRESPONDENCE ADDRESS:
 ADDRESSEES: Browdy and Neimark
 STREET: 419 Seventh Street N.W., Ste. 300
 CITY: Washington
 STATE: D. C.
 COUNTRY: USA
 ZIP: 20004
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Parentic Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/368, 438
 FILING DATE: 20-Feb-2003
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/983, 502
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US96/10521
 FILING DATE: 14-JUN-1996
 APPLICATION NUMBER: IL 114, 615
 FILING DATE: 16-JUL-1995
 APPLICATION NUMBER: IL 114, 986
 FILING DATE: 17-AUG-1995
 APPLICATION NUMBER: IL 115, 319
 FILING DATE: 14-SEP-1995
 APPLICATION NUMBER: IL 116, 588
 FILING DATE: 27-DEC-1995
 APPLICATION NUMBER: IL 117, 932
 FILING DATE: 16-APR-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Browdy, Roger L.
 REGISTRATION NUMBER: 25, 618
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 528-1197
 TELEFAX: (202) 737-3528
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2887 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 US-10-368-438-14

Query Match 100.0%; Score 21; DB 16; Length 2887;
 Best Local Similarity 100.0%; Pred. No. 1.1.;
 Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGGACTGGGAGTCGCA 21
 Db 221. TAGGGACTGGGAGTCGCA 241

APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof For Plant Improvement
 FILE REFERENCE: 38-21(53535)B
 CURRENT APPLICATION NUMBER: US/10/767, 701
 CURRENT FILING DATE: 2004-01-29
 NUMBER OF SEQ ID NOS: 63128
 SEQ ID NO: 29500
 LENGTH: 520
 TYPE: DNA
 ORGANISM: Sorghum bicolor
 FEATURE:
 OTHER INFORMATION: Clone ID: 9301258

Query Match 84.8%; Score 17.8; DB 17; Length 520;
 Best Local Similarity 90.5%; Pred. No. 47;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGACTGGAGACTCGCA 21
 Db 222 TAGGGACTGGAGACTCGCA 202

RESULT 4
 US-10-027-632-175133/C
 Sequence 175133, Application US/10027632
 Publication No. US2002019371A1

GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108827.129
 CURRENT APPLICATION NUMBER: US/10/027, 632
 PRIORITY APPLICATION NUMBER: US/2002-04-30
 PRIOR FILING DATE: 2000-02-24
 PRIORITY APPLICATION NUMBER: US 60/218, 006
 PRIOR FILING DATE: 2000-07-12
 PRIORITY APPLICATION NUMBER: US 60/196, 676
 PRIOR FILING DATE: 2000-04-20
 PRIORITY APPLICATION NUMBER: US 60/193, 483
 PRIOR FILING DATE: 2000-01-29
 PRIORITY APPLICATION NUMBER: US 60/185, 218
 PRIOR FILING DATE: 2000-02-24
 PRIORITY APPLICATION NUMBER: US 60/167, 363
 PRIOR FILING DATE: 1999-11-23
 PRIORITY APPLICATION NUMBER: US 60/156, 358
 PRIOR FILING DATE: 1999-09-28
 PRIORITY APPLICATION NUMBER: US 60/156, 002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 175133
 LENGTH: 1720
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-175133

Query Match 81.0%; Score 17; DB 13; Length 1720;
 Best Local Similarity 81.0%; Pred. No. 92;
 Matches 17; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGACTGGAGACTCGCA 21
 Db 87 TAGGGACTGGAGACTCGCA 67

RESULT 5
 US-10-027-632-175133/C
 Sequence 175133, Application US/10027632
 Publication No. US20030204075A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
SEQ ID NO: 175133
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 1720
TYPE: DNA
ORGANISM: Human
US-10-027-632-175133

Query Match Score 81.0%; Best Local Similarity 81.0%; Matches 17; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGACTGGAGACTGGGA 21
Db 87 TAGGGCRCTGGAGACTGGGA 67

RESULT 6

US-10-029-386-11892
Sequence 11892, Application US/10029386
Publication No. US200301927041
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS TWO
FILE REFERENCE: AEMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Amomax Sequence Listing Engine vers. 1.1
SEQ ID NO 11892
LENGTH: 527
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO CHR14 3
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.97
OTHER INFORMATION: EST HUMAN HIT: AW46988.1, EVALUATE 0.00e+00
OTHER INFORMATION: NT HIT: 917305458, EVALUATE 5.00e-01
US-10-029-386-11892
OTHER INFORMATION: SWISSPROT HIT: 000192, EVALUATE 7.40e-01

Query Match Score 80.0%; Best Local Similarity 90.0%; Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGACTGGAGACTGGGA 20
Db 175 TGGGGACTCGGAGACTCGG 194

RESULT 7

US-10-767-701-26495/c
Sequence 26495, Application US/10767701
Publication No. US200401726491
GENERAL INFORMATION:
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof For Plant Improvement
FILE REFERENCE: 38-21(5353)B
CURRENT APPLICATION NUMBER: US/10/767,701
CURRENT FILING DATE: 2004-01-29
NUMBER OF SEQ ID NOS: 63128
SEQ ID NO 26495
LENGTH: 540
TYPE: DNA
ORGANISM: Sorghum bicolor
FEATURE:
OTHER INFORMATION: Clone ID: 30975379
US-10-767-701-26495

Query Match Score 77.1%; Best Local Similarity 85.7%; Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGACTCGGAGACTGGGA 21
Db 81 TAGGGACTCTGGAGACTGGGA 61

RESULT 8

US-10-437-963-49565
Sequence 49565, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Wu, Yongwei
APPLICANT: Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5322)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 49565
LENGTH: 639
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4330_52137C.1
US-10-437-963-49565

Query Match Score 77.1%; Best Local Similarity 85.7%; Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGACTCGGAGACTGGGA 21
Db 209 TAGGGACCGGAGCGGCCGA 229

RESULT 9

US-10-437-963-20527/c
Sequence 20527, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 APPLICANT: Wu, Wei
 APPLICANT: Boukharov, Andrey A.
 APPLICANT: Barbazuk, Brad
 APPLICANT: Li, Ping
 TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21(5321)B
 CURRENT APPLICATION NUMBER: US/10/437,963
 CURRENT FILING DATE: 2003-05-14
 SEQ ID NO 204966
 LENGTH: 723
 NUMBER OF SEQ ID NOS: 204966
 TYPE: DNA
 ORGANISM: *Oryza sativa*
 FEATURE:
 OTHER INFORMATION: Clone ID: PAT_MRT4530_3481C.1

Query Match Score 77.1%; Best Local Similarity 85.7%; Matches 18; Conservative 0; Gaps 0;
 Db 241 TAGGGGACTGGAGACTSCGA 21

RESULT 10
 US-10-425-114-7317
 Sequence 7317, Application US/10425114
 Publication No. US20040034888A1
 GENERAL INFORMATION:
 APPLICANT: Liu, Jingdong
 APPLICANT: Zhou, Yihua
 APPLICANT: Kovalic, David K.
 APPLICANT: Screen, Steven E.
 APPLICANT: Tabaska, Jack E.
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21(53313)B
 CURRENT APPLICATION NUMBER: US/10/425,114
 CURRENT FILING DATE: 2003-04-28
 SEQ ID NO 7317
 LENGTH: 1040
 TYPE: DNA
 ORGANISM: Glycine max
 FEATURE:
 OTHER INFORMATION: Clone ID: 700650943_FLI

Query Match Score 77.1%; Best Local Similarity 85.7%; Matches 18; Conservative 0; Gaps 0;
 Db 706 TAGGGGACTGGAGACTSCGA 21

RESULT 11
 US-10-437-963-30413
 Sequence 30413, Application US/10437963
 Publication No. US2004012334A1
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovalic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 APPLICANT: Wu, Wei

Query Match Score 77.1%; Best Local Similarity 85.7%; Matches 18; Conservative 0; Gaps 0;
 Db 706 TAGGGGACTCTGAGACTGAGA 726

RESULT 12
 US-10-424-599-27148
 Sequence 27148, Application US/10424599
 Publication No. US20040031072A1
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovalic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21(5323)B
 CURRENT APPLICATION NUMBER: US/10/424,599
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 285684
 SEQ ID NO 27148
 LENGTH: 1151
 TYPE: DNA
 ORGANISM: Glycine max
 FEATURE:
 OTHER INFORMATION: Clone ID: PAT_MRT3847_124515C.1

Query Match Score 77.1%; Best Local Similarity 85.7%; Matches 18; Conservative 0; Gaps 0;
 Db 711 TTGGGACACTGAGACTGAGA 731

RESULT 13
 US-10-425-114-34280/C
 Sequence 34280, Application US/10425114
 Publication No. US20040034888A1
 GENERAL INFORMATION:
 APPLICANT: Liu, Jingdong
 APPLICANT: Zhou, Yihua
 APPLICANT: Kovalic, David K.
 APPLICANT: Screen, Steven E.
 APPLICANT: Tabaska, Jack E.
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21(53313)B
 CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 73128
 SEQ ID NO: 34280
 LENGTH: 2587
 TYPE: DNA
 ORGANISM: Zea mays
 FEATURE: Other Information: Clone ID: UC-ZMFLMO17241A02_FLI
 US-10-45-114-34280

Query Match 77.1%; Score 16.2; DB 13; Length 2587;
 Best Local Similarity 85.7%; Pred No. 2.1e+02;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGGACTCGGAGACTTCTGGA 21
 Db 229 TAGGAGACTCGGATACGGCA 209

Db 3265
 SEQ ID NO: 112534
 LENGTH: 3265
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-112534

Query Match 77.1%; Score 16.2; DB 13; Length 3265;
 Best Local Similarity 85.7%; Pred No. 2e+02;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGGACTCGGAGACTTCTGGA 21
 Db 2974 TAGGGCATCGGAGACTTCTGGA 2954

Search completed: September 16, 2004, 20:54:03
 Job time : 196.076 secs

RESULT 14
 US-10-027-632-112533/c
 Sequence 112533, Application US/10027632
 Publication No. US20020198371A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 TITLE OF INVENTION: Polymorphisms in the Human Genome
 FILE REFERENCE: 108827.129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 112533
 LENGTH: 3265
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-112533

Query Match 77.1%; Score 16.2; DB 13; Length 3265;
 Best Local Similarity 85.7%; Pred No. 2e+02;
 Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGGACTCGGAGACTTCTGGA 21
 Db 2974 TAGGGCATCGGAGACTTCTGGA 2954

RESULT 15
 US-10-027-632-112534/c
 Sequence 112534, Application US/10027632
 Publication No. US20020198371A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 TITLE OF INVENTION: Polymorphisms in the Human Genome
 FILE REFERENCE: 108827.129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006



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OM nucleic - nucleic search, using sw model
Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds
(without alignments)
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Title: US-09-477-082-34
Perfect score: 21
Sequence: 1 cgttatctgcattcgaggcg 21
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing First 4 summaries

Database : Issued_Patents_NA,*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 2	15.4	73.3	50341	2	US-09-075-004-1	Sequence 1, Appli	Sequence 1, Appli
C 3	15.4	73.3	52297	4	US-08-705-057-1	Sequence 1, Appli	Sequence 1, Appli
C 4	15.4	73.3	52297	4	US-09-258-197-75	Sequence 75, Appli	Sequence 75, Appli
C 5	15.2	72.4	97	3	PCT-US16-09451-15	Sequence 75, Appli	Sequence 75, Appli
C 6	15.2	72.4	6250	1	US-08-129-214-23	Sequence 23, Appli	Sequence 23, Appli
C 7	15.2	72.4	6250	3	US-09-028-034-23	Sequence 23, Appli	Sequence 23, Appli
C 8	15.2	72.4	282	4	US-09-175-234-236	Sequence 23,6, Appli	Sequence 23,6, Appli
C 9	14.8	70.5	1989	2	US-08-192-055-1	Sequence 1, Appli	Sequence 1, Appli
C 10	14.8	70.5	7400	3	US-09-116-032-1	Sequence 1, Appli	Sequence 1, Appli
C 11	14.8	70.5	8050	4	US-09-191-362-11	Sequence 1, Appli	Sequence 1, Appli
C 12	14.8	70.5	8050	4	US-09-374-562-11	Sequence 1, Appli	Sequence 1, Appli
C 13	14.8	70.5	536165	4	US-09-214-008-1	Sequence 1, Appli	Sequence 1, Appli
C 14	14.8	70.5	4403765	3	US-09-103-840A-2	Sequence 2, Appli	Sequence 2, Appli
C 15	14.8	70.5	4403765	3	US-09-103-840A-2	Sequence 2, Appli	Sequence 2, Appli
C 16	14.8	70.5	4403765	3	US-09-103-840A-2	Sequence 2, Appli	Sequence 2, Appli
C 17	14.8	70.5	4411529	3	US-09-103-840A-1	Sequence 1, Appli	Sequence 1, Appli
C 18	14.8	70.5	4411529	3	US-09-103-840A-1	Sequence 1, Appli	Sequence 1, Appli
C 19	14.6	69.5	1632	1	US-08-365-232-1	Sequence 1, Appli	Sequence 1, Appli
C 20	14.6	69.5	1632	1	US-08-365-232-1	Sequence 1, Appli	Sequence 1, Appli
C 21	14.6	69.5	2472	1	US-08-221-750A-2	Sequence 1, Appli	Sequence 1, Appli
C 22	14.6	69.5	7742	1	US-08-221-750A-1	Sequence 1, Appli	Sequence 1, Appli
C 23	14.6	69.5	10478	4	US-09-145-774-16	Sequence 16, Appli	Sequence 16, Appli
C 24	14.4	68.6	290	4	US-09-313-294A-019	Sequence 619, Appli	Sequence 619, Appli
C 25	14.4	68.6	10803	3	US-09-080-044-1	Sequence 1, Appli	Sequence 1, Appli
C 26	14.4	68.6	10803	4	US-09-531-857A-1	Sequence 1, Appli	Sequence 1, Appli
C 27	14.2	67.6	131	4	US-09-313-294A-3943	Sequence 3943, Appli	Sequence 3943, Appli

ALIGNMENTS

RESULT 1
US-09-247-901C-1/c

; Sequence 1, Application US-09-247-901C
; Patent No. 5750364
; GENERAL INFORMATION:
; APPLICANT: Jacobs et al
; NUMBER OF INVENTION: LS SHUTTLE PHASMIDS
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amster, Rothstein & Ebenstein
; STREET: 90 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10016
; CURRENT APPLICATION DATA:
; COMPUTER READABLE FORM:
; COMPUTER TYPE: 3.5 inch 1.44 Mb storage diskette
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Word Processor (ASCII)
; APPLICATION NUMBER: US-09-247-901C
; FILING DATE: May 23, 1994
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/057,531
; FILING DATE: April 29, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Bogosian, Elizabeth A
; REGISTRATION NUMBER: 39,911
; REFERENCE/DOCKET NUMBER: 96700/273
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 697-5995
; TELEFAX: (212) 286-0854 or 286-0082
; TELEX: TWX 10-581-4766
; INFORMATION FOR SEQ ID NO.: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 50341
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: 15 shuttle phasmid sequence
; HYPOTHETICAL: No
; ANTI SENSE:
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
; ORGANISM: 15 mycobacteriophage
; STRAIN:
; INDIVIDUAL ISOLATE:

RESULT 2
 US-09-075-904-1/c
 Sequence 1, Application US/09075904
 Patent No. 5994137

GENERAL INFORMATION:
 APPLICANT: Jacobs, et al.
 TITLE OF INVENTION: LS SHUTTLE PHASMIDS
 NUMBER OF SEQUENCES: 1

CORRESPONDENCE ADDRESS:
 ADDRESS: Amster, Rothstein & Ebenstein
 STREET: 90 Park Avenue
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10016

PRIOR APPLICATION DATA:
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: Word Processor (ASCII)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/075,904
 FILING DATE: May 11, 1998
 CLASIFICATION:
 REFERENCE/DOCKET NUMBER: 08/247,901
 FILING DATE: May 23, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Bogosian, Elizabeth A
 REGISTRATION NUMBER: 39,911
 TELEPHONE: (212) 697-5995
 TELEFAX: (212) 286-0854 or 286-0082
 TELEX: TWX 710-581-4766
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:

Query Match 73.3%; Score 15.4; DB 1; Length 50341;
 Best Local Similarity 94.1%; Pred. No. 89;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 GTATCTGCATTGAGGC 20
 Db 22546 GTAGCTGGATTCGAGC 22530

RELEVANT RESIDUES IN SEQ ID NO:
 US-09-075-904-1

RESULT 3
 US-09-426-436-1/c
 Sequence 1, Application US/09426436
 Patent No. 6225066

GENERAL INFORMATION:
 APPLICANT: William R. Jacobs, Jr.
 ADDRESS: Barry R. Bloom
 APPLICANT: Graham F. Hatfull
 TITLE OF INVENTION: MYCOBACTERIAL SPECIES-SPECIFIC
 NUMBER OF SEQUENCES: 1
 TITLE OF INVENTION: REPORTER MYCOBACTERIOPHAGES
 ZIP: 10016

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: Word Processor (ASCII)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/075,904
 FILING DATE: May 11, 1998
 CLASIFICATION:
 REFERENCE/DOCKET NUMBER: 08/247,901
 FILING DATE: May 23, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Bogosian, Elizabeth A
 REGISTRATION NUMBER: 39,911
 TELEPHONE: (212) 697-5995
 TELEFAX: (212) 286-0854 or 286-0082
 TELEX: TWX 710-581-4766
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:

Query March 73.3%; Score 15.4; DB 2; Length 50341;
 Best Local Similarity 94.1%; Pred. No. 89;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 GTATCTGCATTGAGGC 20
 Db 22546 GTAGCTGGATTCGAGC 22530

APPLICATION NUMBER: US/09/426,436
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/705,557
 FILING DATE:
 APPLICATION NUMBER: US/08/057,531
 FILING DATE:
 APPLICATION NUMBER: 07/833,431
 FILING DATE: February 7, 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Pasqualini, Patricia A.
 REGISTRATION NUMBER: 34,894
 REFERENCE/DOCKET NUMBER: 96700/238
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 697-5995
 TELEFAX: (212) 286-0844 OR 286-0082
 TELEX: TWX 710-581-4766
 LENGTH: 52297
 SEQUENCE CHARACTERISTICS:
 TYPE: nucleotide
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE:
 DESCRIPTION: phage genome sequence
 HYPOTHETICAL: no
 FRAGMENT TYPE: not applicable.
 ORIGINAL SOURCE:
 ORGANISM: mycobacteriophage L5
 STRAIN: not applicable
 INDIVIDUAL ISOLATE: L5
 DEVELOPMENTAL STAGE: not applicable
 HAPLOTYPE: not applicable
 TISSUE TYPE: not applicable
 CELL TYPE: not applicable
 CELL LINE: not applicable
 ORGANELLE: not applicable
 IMMEDIATE SOURCE: mycobacteriophage L5 particles
 POSITION IN GENOME: entire genome
 FEATURE:
 NAME/KEY:
 LOCATION:
 IDENTIFICATION METHOD:
 OTHER INFORMATION:
 PUBLICATION INFORMATION:
 AUTHORS: Hatfull and Sarkis
 TITLE: DNA Sequence, Structure and Gene
 Expression of Mycobacteriophage L5:
 TITLE: A Phage System for Mycobacterial
 TITLE: Genetics
 JOURNAL: Molecular Microbiology
 VOLUME: 7
 PAGES: 395-405
 DATE: 1993
 US-09-426-436-1

RESULT 4
 US-08-705-557-1/C
 Sequence 1, Application US/08705557
 Patent No. 630061
 GENERAL INFORMATION:
 APPLICANT: William R. Jacobs, Jr.

Qy 4 GTATCTGCAATTGAGGC 20
 Db 22443 GTACCTGCCTTCGAGGC 22427

Query Match 73.3%; Score 15.4; DB 3; Length 52297;
 Best Local Similarity 94.1%; Pred. No. 90;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

APPLICANT: Barry R. Bloom
 APPLICANT: Graham F. Hatfull
 TITLE OF INVENTION: MYCOBACTERIAL SPECIES-SPECIFIC
 REPORTER MYCOBACTERIOPHAGES
 NUMBER OF SEQUENCES: 1
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Amster, Rothstein & Ebenstein
 STREET: 90 Park Avenue
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10016
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: MS-DOS
 SOFTWARE: Word Processor (ASCII)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/705,557
 FILING DATE:
 CLASIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/057,531
 FILING DATE:
 APPLICATION NUMBER: 07/833,431
 FILING DATE: February 7, 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Pasqualini, Patricia A.
 REGISTRATION NUMBER: 34,894
 REFERENCE/DOCKET NUMBER: 96700/238
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 697-5995
 TELEFAX: (212) 286-0844 OR 286-0082
 TELEX: TWX 710-581-4766
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 52297
 TYPE: nucleotide
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE:
 DESCRIPTION: phage genome sequence
 HYPOTHETICAL: no
 ANTI-SENSE: no
 FRAGMENT TYPE: not applicable.
 ORIGINAL SOURCE:
 ORGANISM: mycobacteriophage L5
 STRAIN: not applicable
 INDIVIDUAL ISOLATE: L5
 DEVELOPMENTAL STAGE: not applicable
 HAPLOTYPE: not applicable
 TISSUE TYPE: not applicable
 CELL TYPE: not applicable
 CELL LINE: not applicable
 ORGANELLE: not applicable
 IMMEDIATE SOURCE: mycobacteriophage L5 particles
 POSITION IN GENOME: entire genome
 FEATURE:
 NAME/KEY:
 LOCATION:
 IDENTIFICATION METHOD:
 OTHER INFORMATION:
 PUBLICATION INFORMATION:
 AUTHORS: Hatfull and Sarkis
 TITLE: DNA Sequence, Structure and Gene
 Expression of Mycobacteriophage L5:
 TITLE: A Phage System for Mycobacterial
 TITLE: Genetics
 JOURNAL: Molecular Microbiology
 VOLUME: 7
 PAGES: 395-405
 DATE: 1993
 US-08-705-557-1

NAMB/KEY:
 LOCATION:
 IDENTIFICATION METHOD:
 OTHER INFORMATION:
 PUBLICATION INFORMATION:
 AUTHORS: Hatfull and Sarkis
 TITLE: DNA Sequence, Structure and Gene
 Expression of Mycobacteriophage L5:
 TITLE: A Phage System for Mycobacterial
 TITLE: Genetics
 JOURNAL: Molecular Microbiology
 VOLUME: 7
 PAGES: 395-405
 DATE: 1993
 US-08-705-557-1

Query Match 73.3%; Score 15.4; DB 4; Length 52297;
 Best Local Similarity 94.1%; Pred. No. 90; Gaps 0;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

RESULT 5
 US-09-258-797-75
 i Sequence 75, Application US/09258797
 i Patent No. 6183367
 i GENERAL INFORMATION:
 i APPLICANT: Jayasena, Sumedha
 i TITLE OF INVENTION: Nucleic Acid Ligand Inhibitors to DNA Polymerases
 i FILE REFERENCE: NEX 43C/PCT-01P
 i CURRENT APPLICATION NUMBER: US/09/258,797
 i CURRENT FILING DATE: 1999-03-01
 i EARLIER APPLICATION NUMBER: 08/945,734
 i EARLIER FILING DATE: 1997-10-28
 i EARLIER APPLICATION NUMBER: 08/487,426
 i EARLIER FILING DATE: 1995-06-07
 i EARLIER APPLICATION NUMBER: 08/487,720
 i EARLIER FILING DATE: 1995-06-07
 i EARLIER APPLICATION NUMBER: 08/484,557
 i EARLIER FILING DATE: 1995-06-07
 i SEQ ID NO: 75
 i LENGTH: 97
 i TYPE: DNA
 i ORGANISM: Artificial Sequence
 i FEATURE:
 i OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 i OTHER INFORMATION: Sequence
 i US-09-258-797-75

Query Match 72.4%; Score 15.2; DB 3; Length 97;
 Best Local Similarity 95.0%; Pred. No. 38; Gaps 0;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

RESULT 6
 PCT-US96-09451-75
 i Sequence 75, Application PC/TUS9609451
 i GENERAL INFORMATION:
 i APPLICANT: LARRY GOLD
 i TITLE OF INVENTION: SUMEDA JAYASENA, NUCLEAR ACID LIGAND INHIBITORS TO
 i CORRESPONDENCE ADDRESS:
 i ADDRESSEE: Swanson and Bratschun, L.L.C.
 i STREET: 8400 East Prentice Ave., Suite 200
 i CITY: Denver
 i STATE: Colorado
 i COUNTRY: USA
 i ZIP: 80111
 i COMPUTER READABLE FORM:
 i MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb
 i MEDIUM TYPE: Storage
 i COMPUTER: IBM Compatible
 i OPERATING SYSTEM: MS-DOS
 i SOFTWARE: Wordperfect 6.0
 i CURRENT APPLICATION DATA:
 i APPLICATION NUMBER: PCT/US96/09451

FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 i APPLICATION NUMBER: 08/487,426
 i FILING DATE: 7-JUNE-1995
 i PRIORITY APPLICATION DATA:
 i APPLICATION NUMBER: 08/487,720
 i FILING DATE: 7-JUNE-1995
 i PRIORITY APPLICATION DATA:
 i APPLICATION NUMBER: 08/484,557
 i FILING DATE: 7-JUNE-1995
 i ATTORNEY/AGENT INFORMATION:
 i NAME: Barry J. Swanson
 i REGISTRATION NUMBER: 33,215
 i REFERENCE/DOCKET NUMBER: NEX43C/PCT
 i TELECOMMUNICATION INFORMATION:
 i TELEPHONE: (303) 793-3333
 i TELEFAX: (303) 793-4333
 i INFORMATION FOR SEQ ID NO: 75:
 i SEQUENCE CHARACTERISTICS:
 i LENGTH: 97 base Pairs
 i STRANDEDNESS: single
 i TYPE: nucleic acid
 i TOPOLOGY: linear
 i MOLECULE TYPE: DNA
 PCT-US96-09451-75

Query Match 72.4%; Score 15.2; DB 5; Length 97;
 Best Local Similarity 83.0%; Pred. No. 38;
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

RESULT 7
 US-08-729-214-23
 i Sequence 23, Application US/08729214
 i Patent No. 517502
 i GENERAL INFORMATION:
 i APPLICANT: Liqon, James M.
 i APPLICANT: Hall, Dwight Steven
 i APPLICANT: Ryals, John Andrew
 i APPLICANT: Hammer, Phillip E.
 i APPLICANT: van Pee, Karl-Heinz
 i APPLICANT: Kurner, Sabine
 i TITLE OF INVENTION: Genes for the synthesis of
 i OTHER INFORMATION: antipathogenic substances
 i NUMBER OF SEQUENCES: 27
 i CORRESPONDENCE ADDRESS:
 i ADDRESS: Ciba-Geigy Corporation
 i STREET: 520 White Plains Road
 i CITY: Tarrytown
 i STATE: NY USA
 i ZIP: 10591
 i COMPUTER READABLE FORM:
 i MEDIUM TYPE: Floppy disk
 i COMPUTER: IBM PC compatible
 i OPERATING SYSTEM: PC DOS/MS-DOS
 i SOFTWARE: Patentin Release #1.0, Version #1.25
 i CURRENT APPLICATION DATA:
 i APPLICATION NUMBER: US/08/729,214
 i FILING DATE: TBA
 i CLASSIFICATION: 435
 i ATTORNEY/AGENT INFORMATION:
 i NAME: Meigs, J. Timothy
 i REGISTRATION NUMBER: 38,241
 i REFERENCE/DOCKET NUMBER: CGC 1506/CIPS
 i TELECOMMUNICATION INFORMATION:
 i TELEPHONE: 919-541-8587
 i APPLICATION NUMBER: PCT/US96/09451

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INFORMATION FOR SEQ ID NO: 23
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SEQUENCE CHARACTERISTICS:
LENGTH: 6250 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
;
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 615..2228
OTHER INFORMATION: /label= ORF1
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FEATURE: OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
NAME/KEY: CDS
LOCATION: 2231..3313
OTHER INFORMATION: /label= ORF2
OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
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FEATURE: OTHER INFORMATION: /label= ORF3
OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
NAME/KEY: CDS
LOCATION: 3368..5065
OTHER INFORMATION: /label= ORF4
OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"
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FEATURE: OTHER INFORMATION: US-08-729-214-23
NAME/KEY: CDS
LOCATION: 5093..6202
OTHER INFORMATION: /label= ORF5
OTHER INFORMATION: /note= "Open Reading Frame #5 of DNA sequence"
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Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps
2y 1 CGTGTATCTGGATTCGAGGC 20
Dy 2249 CGGGTATGCCATTGAGGC 2268

RESULT 8
US-09-028-934-23
Sequence 23, Application US/09028934
;
GENERAL INFORMATION:
; Patent No. 6117510
APPLICANT: Ligon, James M.
APPLICANT: Hill, Dwight S.
APPLICANT: Lam, Steven T.
APPLICANT: Hammer, Philip E.
APPLICANT: van Pee, Karl-Heinz
APPLICANT: Kirner, Sabine
APPLICANT: Young, Thomas R.
TITLE OF INVENTION: Pyrrolomitrin Biosynthesis Genes and Uses
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 611760artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.3.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/028, 934
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/729, 214
FILING DATE: 09-OCT-1996

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FILING DATE: July 2, 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Arinello, Pamela Denete
 REFERENCE/DOCKET NUMBER: 40_489
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781)893-5007
 TELEFAX: (781)893-8217
 INFORMATION FOR SEQ ID NO: 2336:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 282 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: circular
 MOLECULE TYPE: DNA (Genomic)
 HYPOTHETICAL: NO
 ANTI SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Enterococcus faecium

FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (B) LOCATION 1..282
 SEQ ID DESCRIPTION: SEQ ID NO: 2336:
 us-09-107532A-2336

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 Best Local Similarity 88.9%; Pred. No. 76;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CGTGTATCGATTGAG 18
 Db 205 CCTGTATCGATTGAG 222

RESULT 10
 US-08-792-055-1
 / Sequence 1, Application US/08792055
 / Patent No. 5853980
 / GENERAL INFORMATION:
 / APPLICANT: Rollin, Pierre E.
 / APPLICANT: Elliott, Luanne
 / APPLICANT: Ksiazek, Thomas G.
 / APPLICANT: Nichol, Stuart T.
 / APPLICANT: Morzunov, Sergey
 / APPLICANT: Ravkov, Eugene
 / TITLE OF INVENTION: The Black Creek Canal Hantavirus and Related Methods
 / TITLE OF INVENTION: Related Methods
 / NUMBER OF SEQUENCES: 7
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: NEEDLE & ROSENBERG, P.C.
 / STREET: 127 Peachtree Street, N.E., Suite 1200
 / CITY: Atlanta
 / STATE: Georgia
 / COUNTRY: USA
 / ZIP: 30303

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/792,055
 FILING DATE: 03-FEB-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/390,361
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Spratt, Gwendolyn D.
 REGISTRATION NUMBER: 36,016
 REFERENCE/DOCKET NUMBER: 1414.622
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (404) 688-0770

;

TELEFAX: (404) 688-9880
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1989 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-08-792-055-1

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 Best Local Similarity 88.9%; Pred. No. 1.1e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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 Db 192 TTGTTGATGGGGC 209

RESULT 11
 US-09-116-032-1/C
 / Sequence 1, Application US/09116032
 / Patent No. 6200576
 / GENERAL INFORMATION:
 / APPLICANT: HWONG, CHING LONG
 / APPLICANT: LO, CHENG-KAI
 / APPLICANT: YANG, YING-CHUAN
 / APPLICANT: JENG, KING-SONG
 / APPLICANT: CHANG, EDWARD L.
 / APPLICANT: DEVELOPMENT CENTER FOR BIOTECHNOLOGY
 / TITLE OF INVENTION: SWINE VESICULAR DISEASE VIRUS AND MUTANT STRAINS AND PREPARATION PROCESS AND USE THEREOF
 / FILE REFERENCE: 9751-79US01
 / CURRENT APPLICATION NUMBER: US/09/116,032
 / CURRENT FILING DATE: 1998-07-15
 / EARLIER APPLICATION NUMBER: CHINA 86105814
 / EARLIER FILING DATE: 1997-05-01
 / NUMBER OF SEQ ID NOS: 39
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 1
 / LENGTH: 7400
 / TYPE: DNA
 / ORGANISM: SWINE VESICULAR DISEASE VIRUS
 ; US-09-116-032-1

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 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GTATCGATTGAGGGC 21
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RESULT 12
 US-09-491-362-11/C
 / Sequence 11, Application US/09491362
 / Patent No. 621017
 / GENERAL INFORMATION:
 / APPLICANT: Lange, Bernd M.
 / APPLICANT: Croceau, Rodney B
 / TITLE OF INVENTION: 1-DEOXY-D-XYULOSE-5-PHOSPHATE REDUCTOISOMERASE, AND FILE REFERENCE: WSR14977
 / CURRENT APPLICATION NUMBER: US/09/491,362
 / CURRENT FILING DATE: 2000-01-26
 / EARLIER APPLICATION NUMBER: 60/118,349
 / EARLIER FILING DATE: 1999-02-03
 / NUMBER OF SEQ ID NOS: 13
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 11
 / LENGTH: 8050
 / TYPE: DNA

i ORGANISM: Arabidopsis thaliana
 i US-09-491-362-11

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 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GTGATCTGCATTGAGG 19
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RESULT 13

US-09-874-562-11/c
 Sequence 11, Application US/09874562
 Patent No. 6420159

GENERAL INFORMATION:

APPLICANT: Croteau, Rodney B
 ATTORNEY: Lange, Bernd W
 TITLE OF INVENTION: 1-DEOXY-D-XYLULOSE-5-PHOSPHATE REDUCTOISOMERASE, AND
 TITLE OF INVENTION: METHODS OF USE
 FILE REFERENCE: WSUR17549
 CURRENT APPLICATION NUMBER: US/09/874,562
 CURRENT FILING DATE: 2001-06-04
 PRIOR APPLICATION NUMBER: 09/491,362
 PRIOR FILING DATE: 2000-01-26
 PRIOR APPLICATION NUMBER: 60/118,349
 PRIOR FILING DATE: 1999-02-03
 NUMBER OF SEQ ID NOS: 13
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 11
 LENGTH: 8050
 TYPE: DNA
 ORGANISM: Arabidopsis thaliana
 US-09-874-562-11

Query Match Score 14.8; DB 4; Length 8050;
 Best Local Similarity 88.9%; Pred. No. 1.4e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GTGATCTGCATTGAGG 19
 Db 6843 GTGTAATTGCATTGAGG 6826

RESULT 14

US-09-214-808-1/c
 Sequence 1, Application US/09214808A
 Patent No. 6475733

GENERAL INFORMATION:

APPLICANT: Rosenthal, Andre
 ATTORNEY: Freiberg, Christoph
 TITLE OF INVENTION: Genomic Sequence of Rhizobium sp. NGR 234 Symbiotic
 Patent No. 6475733
 FILE REFERENCE: CAP0068
 CURRENT APPLICATION NUMBER: US/09/214,808A
 CURRENT FILING DATE: 1999-06-22
 PRIOR APPLICATION NUMBER: PC1/1B97/000350
 PRIOR FILING DATE: 1997-07-10
 NUMBER OF SEQ ID NOS: 1
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 1
 LENGTH: 5336165
 TYPE: DNA
 ORGANISM: Rhizobium
 US-09-214-808-1

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 Best Local Similarity 88.9%; Pred. No. 2.5e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 187.076 Seconds
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Title: US-09-477-082-34

Perfect score: 21

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Searched: 332707 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%
 Maximum Match 100%

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c 17 15.4 73.3 529 9 US-09-884-71-2500 Sequence 25900, A

c 18 15.4 73.3 536 13 US-10-027-332-15233 Sequence 13523, A

c 19 15.4 73.3 536 16 US-10-027-332-15233 Sequence 2066, Ap

c 20 15.4 73.3 570 15 US-10-029-386-2066 Sequence 9386, Ap

c 21 15.4 73.3 588 9 US-09-884-761-9386 Sequence 114171, A

c 22 15.4 73.3 647 13 US-10-024-399-114171 Sequence 12087, A

c 23 15.4 73.3 757 13 US-10-027-332-10087 Sequence 12087, A

c 24 15.4 73.3 757 16 US-10-027-632-12087 Sequence 12087, A

c 25 15.4 73.3 1909 13 US-10-425-114-14331 Sequence 14331, A

c 26 15.4 73.3 2512 13 US-09-823-345A-885 Sequence 585, App

c 27 15.4 73.3 2632 17 US-10-322-281-280 Sequence 804, App

c 28 15.2 72.4 529 17 US-10-021-23-804 Sequence 17043, A

c 29 15.2 72.4 543 17 US-10-767-701-10043 Sequence 17043, A

c 30 15.2 72.4 556 13 US-10-424-399-63362 Sequence 65362, A

c 31 15.2 72.4 595 13 US-10-424-519-6185 Sequence 6185, A

c 32 15.2 72.4 714 13 US-10-282-122A-13831 Sequence 13831, A

c 33 15.2 72.4 1110 13 US-10-424-399-88411 Sequence 89411, A

c 34 15.2 72.4 1212 13 US-10-282-122A-11292 Sequence 41292, A

c 35 15.2 72.4 1331 13 US-10-425-114-34290 Sequence 34290, A

c 36 15.2 72.4 1434 13 US-10-282-122A-12246 Sequence 42246, A

c 37 15.2 72.4 1518 13 US-10-282-122A-11485 Sequence 31485, A

c 38 15.2 72.4 2640 9 US-09-842-555-96 Sequence 96, App

c 39 15.2 72.4 4280 17 US-10-437-63-77630 Sequence 77630, A

c 40 15.2 72.4 3922 13 US-10-087-192-538 Sequence 538, App

c 41 15.2 72.4 55916 12 US-09-997-722-7 Sequence 7, Appl

c 42 15.2 72.4 15395 17 US-10-322-281-721 Sequence 721, App

c 43 15.2 72.4 3186778 13 US-10-027-632-174961 Sequence 174961, App

c 44 15.2 72.4 3186778 13 US-10-027-632-174961 Sequence 174961, App

c 45 15.2 72.4 3186778 16 US-10-027-632-174961 Sequence 174961, App

RESULT 1
 US-10-027-632-242218/C
 Sequence 242218, Application US/10027632
 Publication No. US20198371A1
 GENERAL INFORMATION:
 / APPLICANT: WANG, David G.
 / TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 / FILE REFERENCE: 108827-129
 / CURRENT APPLICATION NUMBER: US/10/027, 632
 / CURRENT FILING DATE: 2002-04-30
 / PRIOR APPLICATION NUMBER: US 60/185, 218
 / PRIOR FILING DATE: 2000-02-24
 / PRIOR APPLICATION NUMBER: US 60/167, 363
 / PRIOR FILING DATE: 1999-11-23
 / PRIOR APPLICATION NUMBER: US 60/156, 358
 / PRIOR FILING DATE: 1999-09-28
 / PRIOR APPLICATION NUMBER: US 60/146, 002
 / PRIOR FILING DATE: 1999-08-09
 / NUMBER OF SEQ ID NOS: 325720
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO: 242218
 / LENGTH: 637
 / TYPE: DNA
 / ORGANISM: Human
 US-10-027-632-242218

Query Match Similarity 78.1%; Score 16.4%; DB 13; Length 637;
 Best Local Similarity 94.4%; Pred. No. 1.9e-02;
 Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

SUMMARIES

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C 2	16.4	78.1	637	16	US-10-027-632-242218		Sequence 242218,
C 3	16.4	78.1	710	13	US-10-027-632-11465		Sequence 11465, A
C 4	16.4	78.1	710	13	US-10-027-632-11465		Sequence 144092, A
C 5	16.4	78.1	710	16	US-10-027-632-11465		Sequence 11465, A
C 6	16.4	78.1	710	16	US-10-027-632-144092		Sequence 144092,
C 7	16.2	77.1	1296	13	US-10-369-493-3260		Sequence 3260, A
C 8	16.2	77.1	1402	13	US-10-425-114-13447		Sequence 13447, A
C 9	15.2	77.1	2284	15	US-10-333-687A-15		Sequence 15, Appl
C 10	15.8	75.2	25	15	US-10-098-263B-4315		Sequence 4315, Ap
C 11	15.8	75.2	540	17	US-10-43-963-58853		Sequence 58853, A
C 12	15.8	75.2	1360	16	US-10-062-674-1535		Sequence 152504, Ap
C 13	15.8	75.2	4143	16	US-10-369-493-25104		Sequence 52104, Ap
C 14	15.8	75.2	7396	16	US-09-738-630-52		Sequence 52, Appl

RESULT 3
 US-10-027-632-11465/C
 / Sequence 1465, Application US/10027632
 / Publication No. US20030204075A9
 / GENERAL INFORMATION:
 / / APPLICANT: Wang, David G.
 / / TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 / / FILE REFERENCE: 108827.129
 / / CURRENT APPLICATION NUMBER: US/10/027,632
 / / CURRENT FILING DATE: 2002-04-30
 / / PRIORITY APPLICATION NUMBER: US 60/218,006
 / / PRIOR FILING DATE: 2000-07-12
 / / PRIOR APPLICATION NUMBER: US 60/198,676
 / / PRIOR FILING DATE: 2000-04-20
 / / PRIOR APPLICATION NUMBER: US 60/123,483
 / / PRIOR FILING DATE: 2000-03-29
 / / PRIOR APPLICATION NUMBER: US 60/185,218
 / / PRIOR FILING DATE: 2000-02-24
 / / PRIOR APPLICATION NUMBER: US 60/187,363
 / / PRIOR FILING DATE: 1999-11-23
 / / PRIOR APPLICATION NUMBER: US 60/156,358
 / / PRIOR FILING DATE: 1999-09-28
 / / PRIOR APPLICATION NUMBER: US 60/146,002
 / / PRIOR FILING DATE: 1999-08-09
 / / NUMBER OF SEQ ID NOS: 32/720
 / / SOFTWARE: FastSEQ for Windows Version 4.0
 / / SEQ ID NO: 242218
 / / LENGTH: 637
 / / TYPE: DNA
 / / ORGANISM: Human
 US-10-027-632-242218
 Query Match 78.1%; Score 16.4%; DB 16; Length 637;
 Best Local Similarity 94.4%; Pred. No. 1.9e+02;
 Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 CGTGTATCGCATTGAG 184
 Db 201 CGTGTATCGCATTGAG 184

RESULT 4
 US-10-027-632-144092/C
 / Sequence 144092, Application US/10027632
 / Publication No. US2003020198371A1
 / GENERAL INFORMATION:
 / / APPLICANT: Wang, David G.
 / / TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 / / FILE REFERENCE: 108827.129
 / / CURRENT APPLICATION NUMBER: US/10/027,632
 / / CURRENT FILING DATE: 2002-04-30
 / / PRIOR APPLICATION NUMBER: US 60/218,006
 / / PRIOR FILING DATE: 2000-07-12
 / / PRIOR APPLICATION NUMBER: US 60/198,676
 / / PRIOR FILING DATE: 2000-04-20
 / / PRIOR APPLICATION NUMBER: US 60/193,483
 / / PRIOR FILING DATE: 2000-03-29
 / / PRIOR APPLICATION NUMBER: US 60/185,218
 / / PRIOR FILING DATE: 2000-02-24
 / / PRIOR APPLICATION NUMBER: US 60/167,363
 / / PRIOR FILING DATE: 1999-11-23
 / / PRIOR APPLICATION NUMBER: US 60/156,358
 / / PRIOR FILING DATE: 1999-09-28
 / / PRIOR APPLICATION NUMBER: US 60/146,002
 / / PRIOR FILING DATE: 1999-08-09
 / / NUMBER OF SEQ ID NOS: 32/720
 / / SOFTWARE: FastSEQ for Windows Version 4.0
 / / SEQ ID NO: 144092
 / / LENGTH: 710
 / / TYPE: DNA
 / / ORGANISM: Human
 US-10-027-632-144092

Query Match 78.1%; Score 16.4%; DB 13; Length 710;
 Best Local Similarity 94.4%; Pred. No. 1.9e+02;
 Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

RESULT 5
 US-10-027-632-11465/C
 / Sequence 11465, Application US/10027632
 / Publication No. US20030204075A9
 / GENERAL INFORMATION:
 / / APPLICANT: Wang, David G.
 / / TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 / / FILE REFERENCE: 108827.129
 / / CURRENT APPLICATION NUMBER: US/10/027,632
 / / CURRENT FILING DATE: 2002-04-30
 / / PRIOR APPLICATION NUMBER: US 60/218,006
 / / PRIOR FILING DATE: 2000-03-29
 / / PRIOR APPLICATION NUMBER: US 60/185,218
 / / PRIOR FILING DATE: 2000-02-24
 / / PRIOR APPLICATION NUMBER: US 60/198,676
 / / PRIOR FILING DATE: 2000-04-20
 / / PRIOR APPLICATION NUMBER: US 60/156,358
 / / PRIOR FILING DATE: 1999-09-28
 / / PRIOR APPLICATION NUMBER: US 60/146,002
 / / PRIOR FILING DATE: 1999-08-09
 / / NUMBER OF SEQ ID NOS: 32/720

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; PRIOR FILING DATE: 2000-01-29
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; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SEQ ID NO: 11465
; LENGTH: 710
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-11465

Query Match 78.1%; Score 16.4; DB 16; Length 710;
Best Local Similarity 94.4%; Pred. No. 1.9e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 1; Insertions 0; Deletions 0; Gaps 0;

Qy   3 TGTATCTGATTCTGAGGC 20
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RESULT 6
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Sequence 144092, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827_129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
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; ORGANISM: Human
US-10-027-632-144092

Query Match 78.1%; Score 16.4; DB 16; Length 710;
Best Local Similarity 94.4%; Pred. No. 1.9e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 1; Insertions 0; Deletions 0; Gaps 0;

Qy   3 TGTATCTGATTCTGAGGC 20
Db   284 TGCATCTGATTCTGAGGC 267

RESULT 9
US-10-335-687A-15
Sequence 15, Application US/10335687A
Publication No. US200306622A1
GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Millennium Pharmaceuticals, Inc.
; TITLE OF INVENTION: 39467, Human Kinase Family Members and
; TITLE OF INVENTION: Uses Therefor
; FILE REFERENCE: MF102-001PRNM
; Publication No. US200323365A1
; Sequence 32260, Application US/10369493
; Publication No. US200323365A1

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CURRENT APPLICATION NUMBER: US/10/335,687A
 CURRENT FILING DATE: 2003-01-02
 PRIORITY NUMBER: 6/0/345,773
 PRIOR FILING DATE: 2002-01-02
 NUMBER OF SEQ ID NOS: 20
 SEQ ID NO: 15
 SOFTWARE: FastSEQ for Windows Version 4.0
 LENGTH: 2284
 TYPE: DNA
 FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (2) . . . (1699)
 US-10-335-687A-15

Query Match 77.1%; Score 16.2%; DB 15; Length 2284;
 Best Local Similarity 85.7%; Pred. No. 2.7e-02; Indels 0; Gaps 0;
 Matches 18; Conservative 0; Mismatches 3; SEQ ID NO: 4315

Qy 1 CGTGTATCTGCAATTGGCG 21
 Db 3 CGTGTATCTGCAATTGGCG 23

RESULT 10
 US-10-098-263B-4315/C
 Sequence 4315, Application US/10098263B
 Publication No. US20030104410A1
 GENERAL INFORMATION:
 / APPLICANT: Mittman, Michael
 / TITLE OF INVENTION: Human Microarray
 / FILE REFERENCE: 3118.1
 / CURRENT FILING DATE: 2003-01-08
 / PRIORITY NUMBER: 6/0/276,759
 / PRIOR FILING DATE: 2001-03-16
 / NUMBER OF SEQ ID NOS: 131066
 SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
 SEQ ID NO: 4315
 LENGTH: 25
 TYPE: DNA
 ORGANISM: Homo sapien
 US-10-098-263B-4315

Query Match 75.2%; Score 15.8%; DB 15; Length 25;
 Best Local Similarity 89.5%; Pred. No. 3.1e+02; Indels 0; Gaps 0;
 Matches 17; Conservative 0; Mismatches 2; SEQ ID NO: 4315

Qy 1 CGTGTATCTGCAATTGGCG 19
 Db 22 CGTGTATCTGCAATTGGCG 4

RESULT 11
 US-10-437-963-55853
 Sequence 55853, Application US/10437963
 Publication No. US2004023343A1
 GENERAL INFORMATION:
 / APPLICANT: La Rosa, Thomas J.
 / APPLICANT: Kovacic, David K.
 / APPLICANT: Zhou, Yihua
 / APPLICANT: Cao, Yongwei
 / APPLICANT: Wu, Wei
 / APPLICANT: Boukharov, Andrey A.
 / APPLICANT: Barbazau, Brad
 / APPLICANT: Li, Ping
 / TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
 / TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 / FILE REFERENCE: 38-21/53221B
 / CURRENT FILING DATE: 2003-05-14
 / NUMBER OF SEQ ID NOS: 204966
 / SEQ ID NO 55853

Query Match 75.2%; Score 15.8%; DB 16; Length 4143;

US-10-062-674-1535
 Sequence 1535, Application US/10062674
 Publication No. US2004005559A1
 GENERAL INFORMATION:
 / APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.
 / TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS
 / FILE REFERENCE: PA-0028-1 CIP
 / CURRENT APPLICATION NUMBER: US/10/062,674
 / CURRENT FILING DATE: 2002-01-30
 / PRIOR APPLICATION NUMBER: US 09/625,102
 / PRIOR FILING DATE: 2000-07-24
 / NUMBER OF SEQ ID NOS: 2217
 / SOFTWARE: PERL Program
 / SEQ ID NO 1535
 / LENGTH: 1360
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: misc feature
 / OTHER INFORMATION: Incyte ID No. US20040005559A1 118726.1
 US-10-062-674-1535

Query Match 75.2%; Score 15.8%; DB 16; Length 1360;
 Best Local Similarity 89.5%; Pred. No. 4.1e+02; Indels 0; Gaps 0;
 Matches 17; Conservative 0; Mismatches 2; SEQ ID NO: 4315

Qy 2 GGTGTATCTGCAATTGGCG 20
 Db 105 GGTGTATCTGCAATTGGCG 123

RESULT 13
 US-10-369-493-25104/C
 Sequence 25104, Application US/10369493
 Publication No. US20030333675A1
 GENERAL INFORMATION:
 / APPLICANT: Cao, Yongwei
 / APPLICANT: Hinkle, Gregory J.
 / APPLICANT: Slater, Steven C.
 / APPLICANT: Goldman, Barry S.
 / APPLICANT: Chen, Xianfeng
 / TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 / TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
 / FILE REFERENCE: 38-10/52052/B
 / CURRENT APPLICATION NUMBER: US/10/369,493
 / CURRENT FILING DATE: 2003-02-28
 / PRIOR APPLICATION NUMBER: US 60/3560,039
 / PRIOR FILING DATE: 2002-02-21
 / NUMBER OF SEQ ID NOS: 47374
 / SEQ ID NO 10404
 / LENGTH: 4143
 / TYPE: DNA
 / ORGANISM: Saccharomyces cerevisiae
 US-10-369-493-25104

Query Match 75.2%; Score 15.8%; DB 16; Length 4143;

Best Local Similarity 89.5%; Pred. No. 4.5e+02; Indels 0; Gaps 0;
 Matches 17; Conservative 0; Mismatches 2;

Qy 3 TGTATCTGCATTGAGGGC 21
 Db 2712 TGTATCTGCATTGAGGGC 2694

RESULT 14
 US-09-738-630-52
 i Sequence 52, Application US/09738630
 i Publication No. US200316613A1
 i GENERAL INFORMATION:
 i i APPLICANT: Greenspan, Ralph J.
 i i TITLE OF INVENTION: Methods For Identifying Compounds That Modulate Disorders Related To Nitric Oxide/cGMP-Dependent Kinase Signaling
 i i TITLE OF INVENTION: Protein Kinase Signaling
 i i FILE REFERENCE: P-NI 3906
 i i CURRENT APPLICATION NUMBER: US/09/738,630
 i i CURRENT FILING DATE: 2000-12-15
 i i NUMBER OF SEQ ID NOS: 105
 i i SOFTWARE: FastSEQ for Windows Version 4.0
 i i SEQ ID NO 52
 i LENGTH: 7396
 i TYPE: DNA
 i ORGANISM: Drosophila melanogaster
 us-09-738-630-52

Query Match 75.2%; Score 15.8; DB 10; Length 7396;
 Best Local Similarity 89.5%; Pred. No. 4.7e+02; Indels 0; Gaps 0;
 Matches 17; Conservative 0; Mismatches 2;

Qy 3 TGTATCTGCATTGAGGGC 21
 Db 1292 TGTATCTGCATTGAGGGC 1310

RESULT 15
 US-10-322-696-52
 i Sequence 52, Application US/10322696
 i Publication No. US2004016690A1
 i GENERAL INFORMATION:
 i i APPLICANT: Morris, David W.
 i i APPLICANT: Malandro, Marc C.
 i i TITLE OF INVENTION: NOVEL THERAPEUTIC TARGETS IN CANCER
 i i FILE REFERENCE: 529422001200
 i i CURRENT APPLICATION NUMBER: US/10/322,696
 i i CURRENT FILING DATE: 2003-10-17
 i i NUMBER OF SEQ ID NOS: 186
 i i SOFTWARE: FastSEQ for Windows Version 4.0
 i i SEQ ID NO 52
 i LENGTH: 337022
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 i FEATURE:
 i i NAME/KEY: misc_feature
 i i LOCATION: (1)..(337022)
 i i OTHER INFORMATION: n = A,T,C or G
 us-10-322-696-52

Query Match 75.2%; Score 15.8; DB 17; Length 337022;
 Best Local Similarity 89.5%; Pred. No 6.e+02; Indels 0; Gaps 0;
 Matches 17; Conservative 0; Mismatches 2;

Qy 2 GTGATCTGCATTGAGGGC 20
 Db 99903 GTGATCTGCATTGAGGGC 99921

Search completed: September 16, 2004, 20:54:14
 Job time : 198.076 secs

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